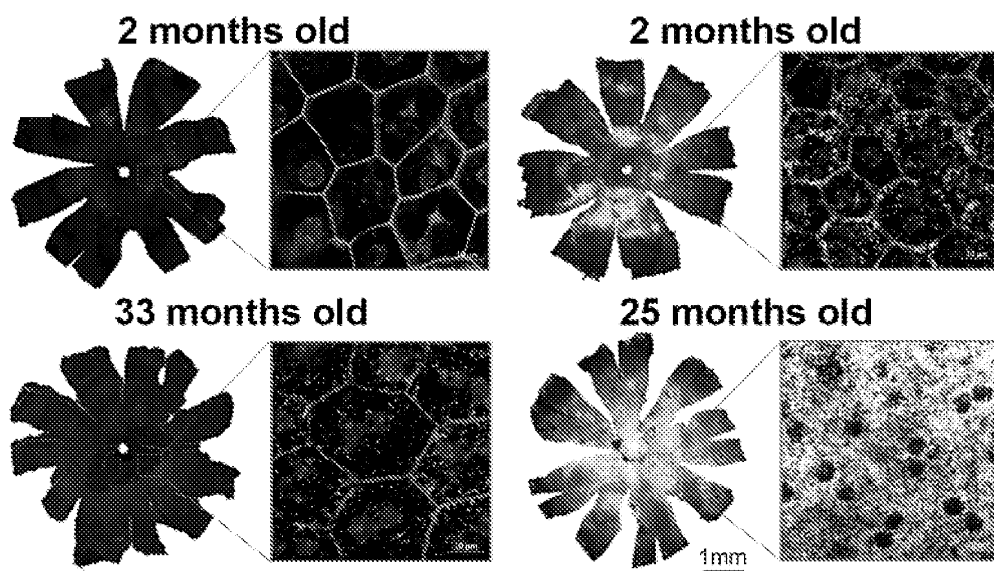


FIG. 1A



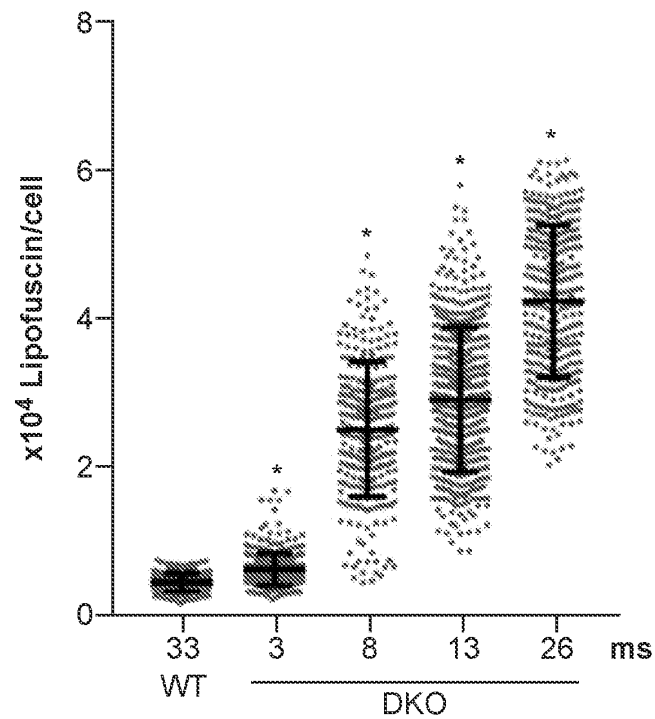


FIG. 1B

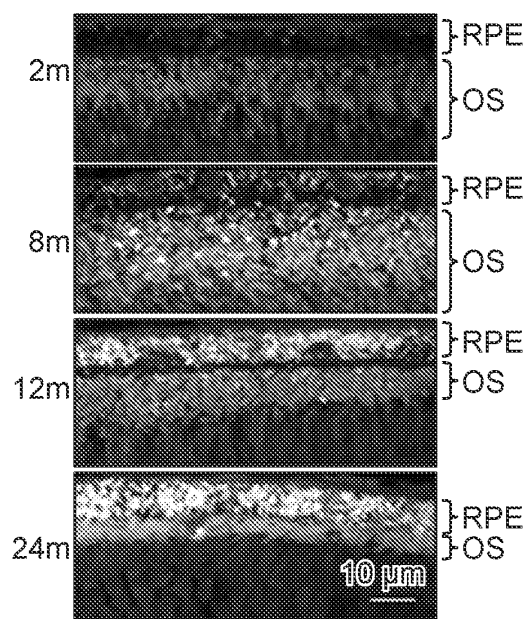


FIG. 1C

FIG. 1D

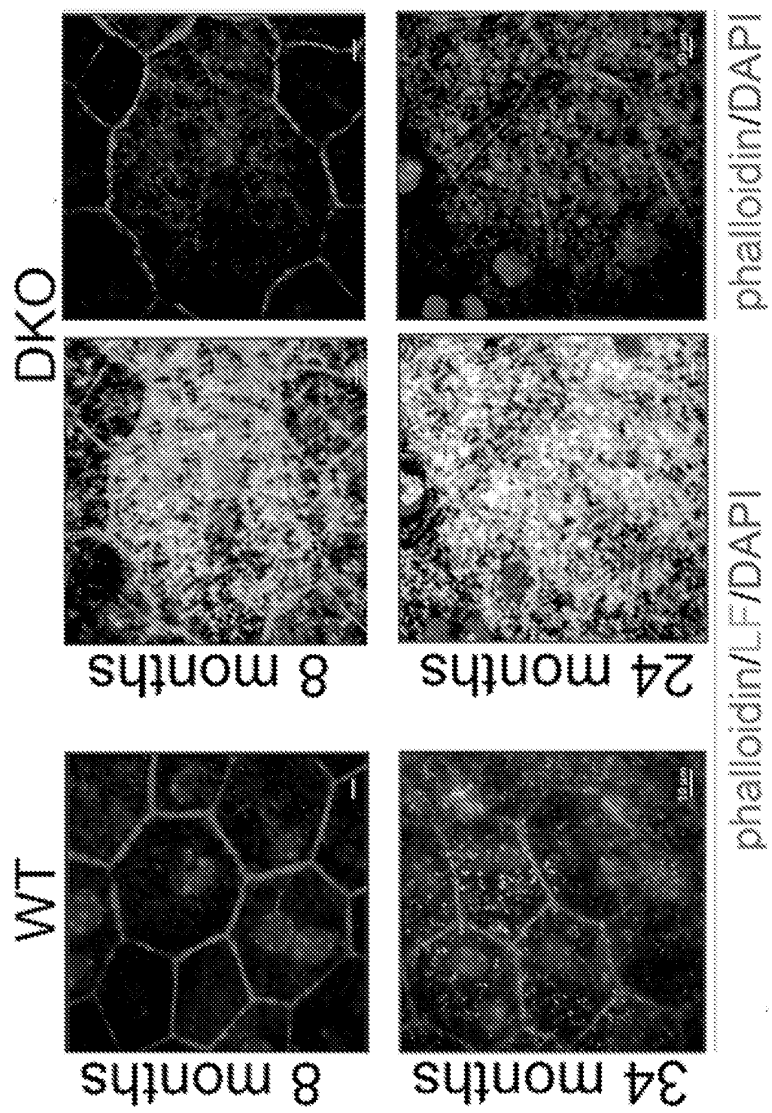


FIG. 1E

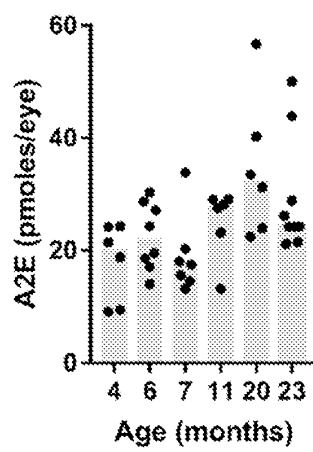


FIG. 2A

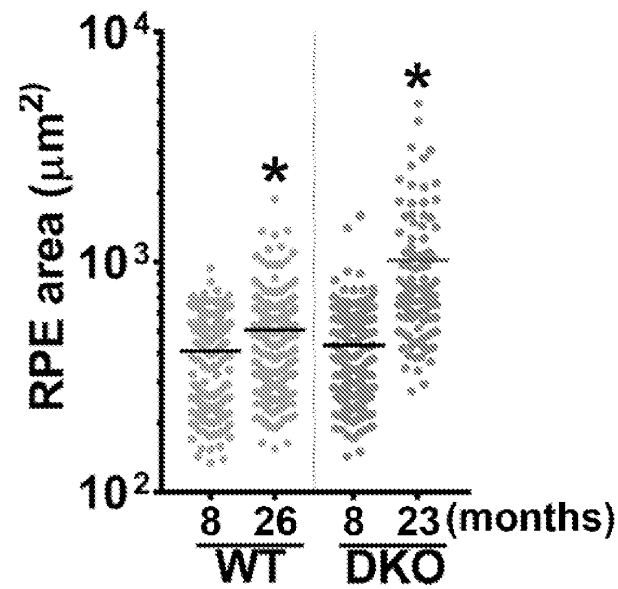


FIG. 2B

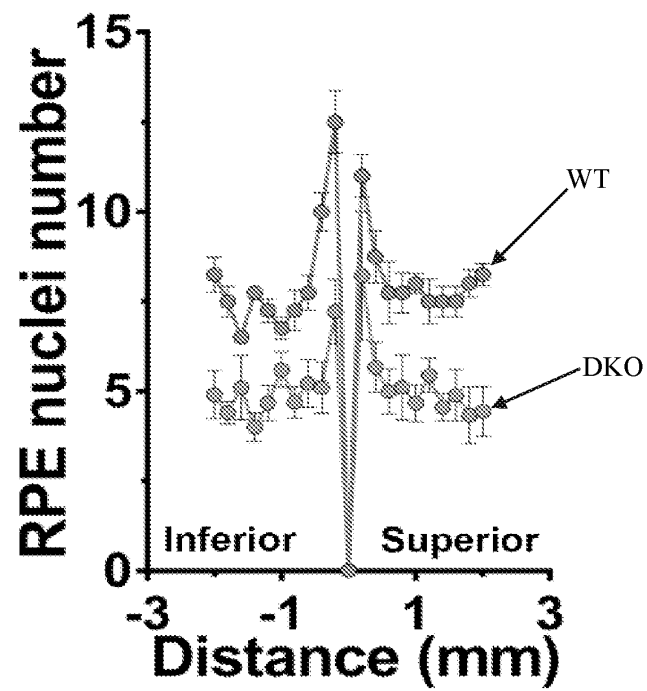


FIG. 2C

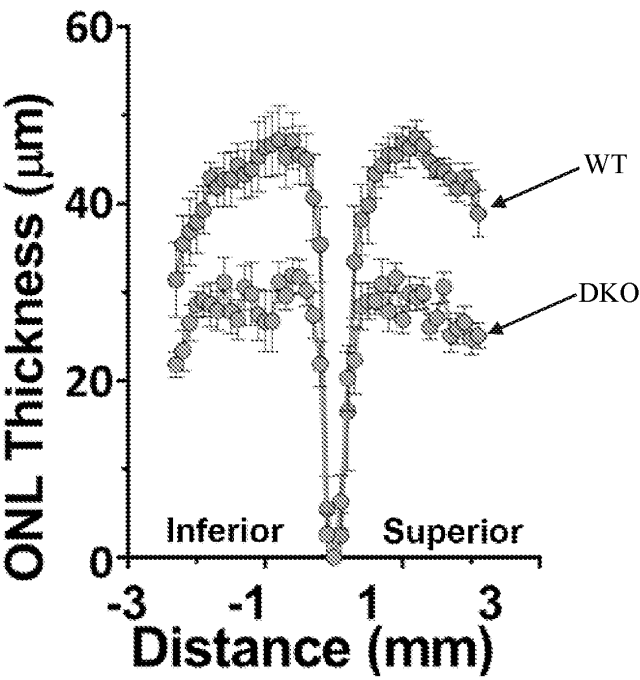
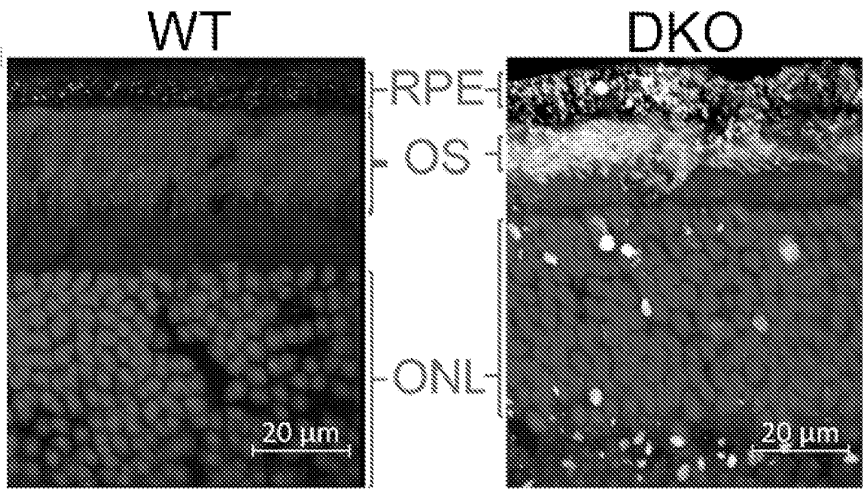


FIG. 2D



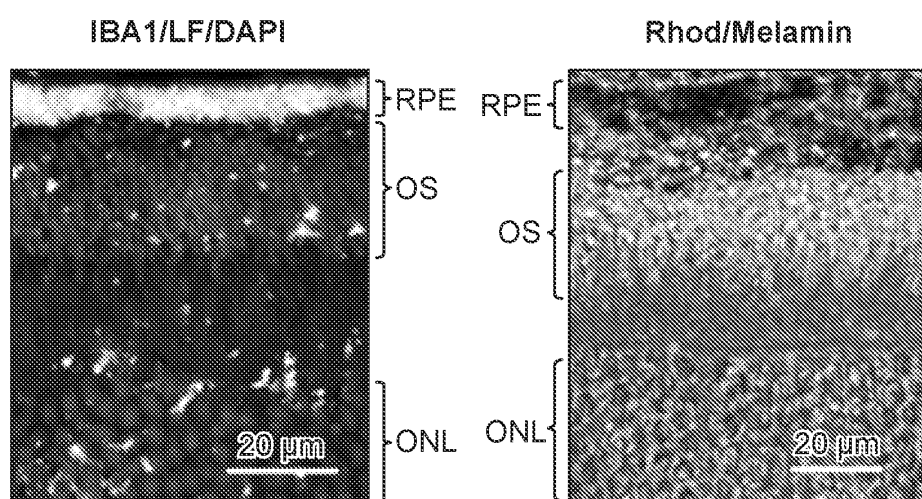


FIG. 2E

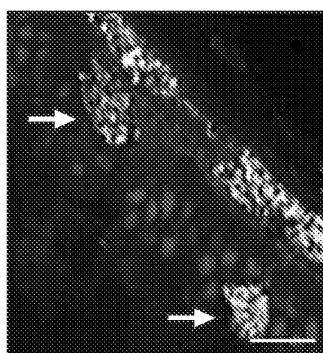


FIG. 2F

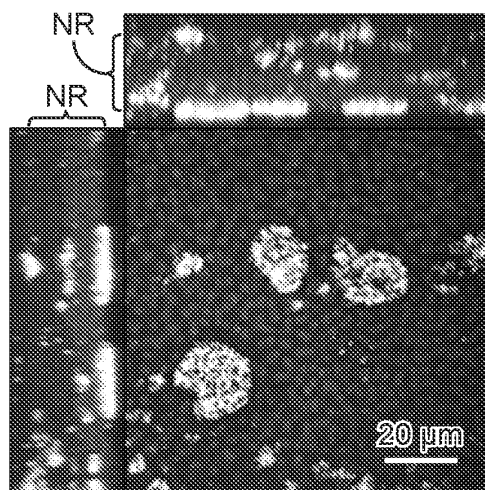


FIG. 2G

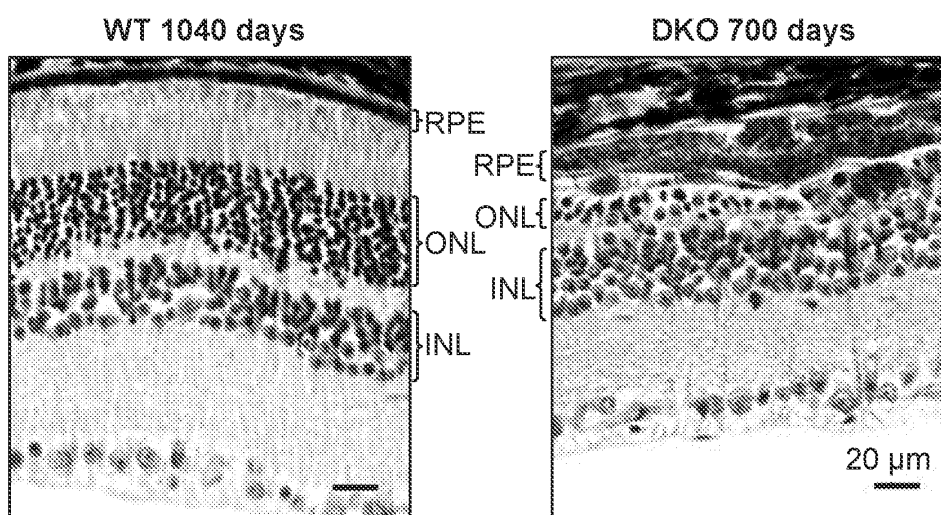


FIG. 2H

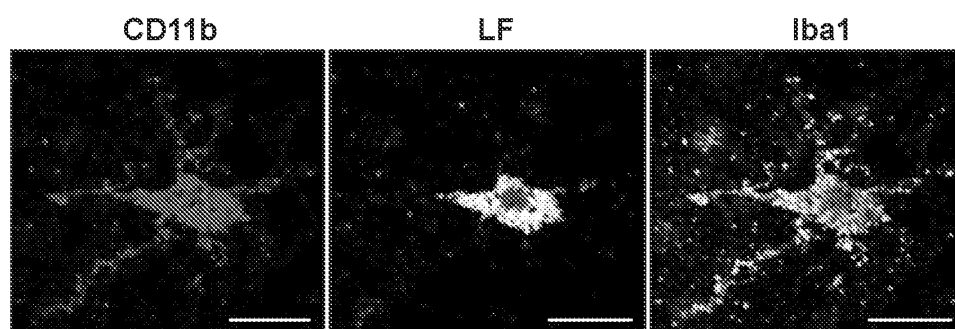


FIG. 2I

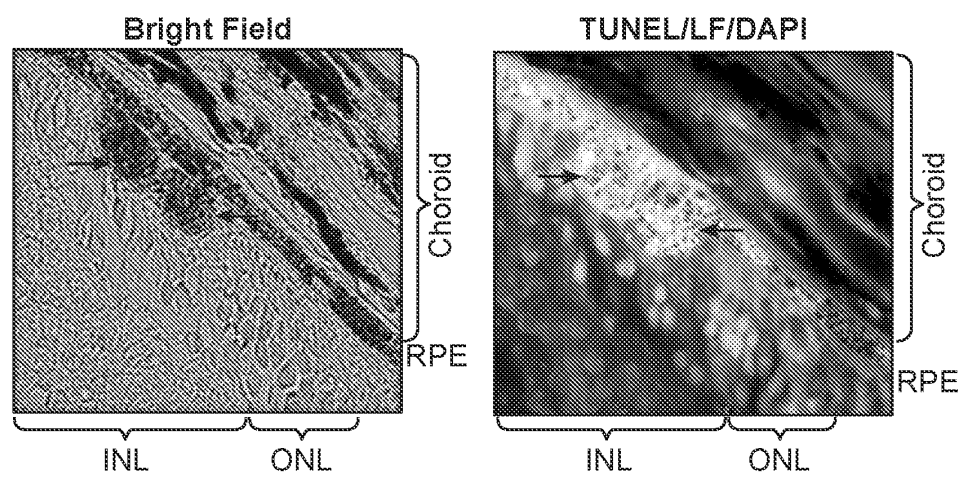
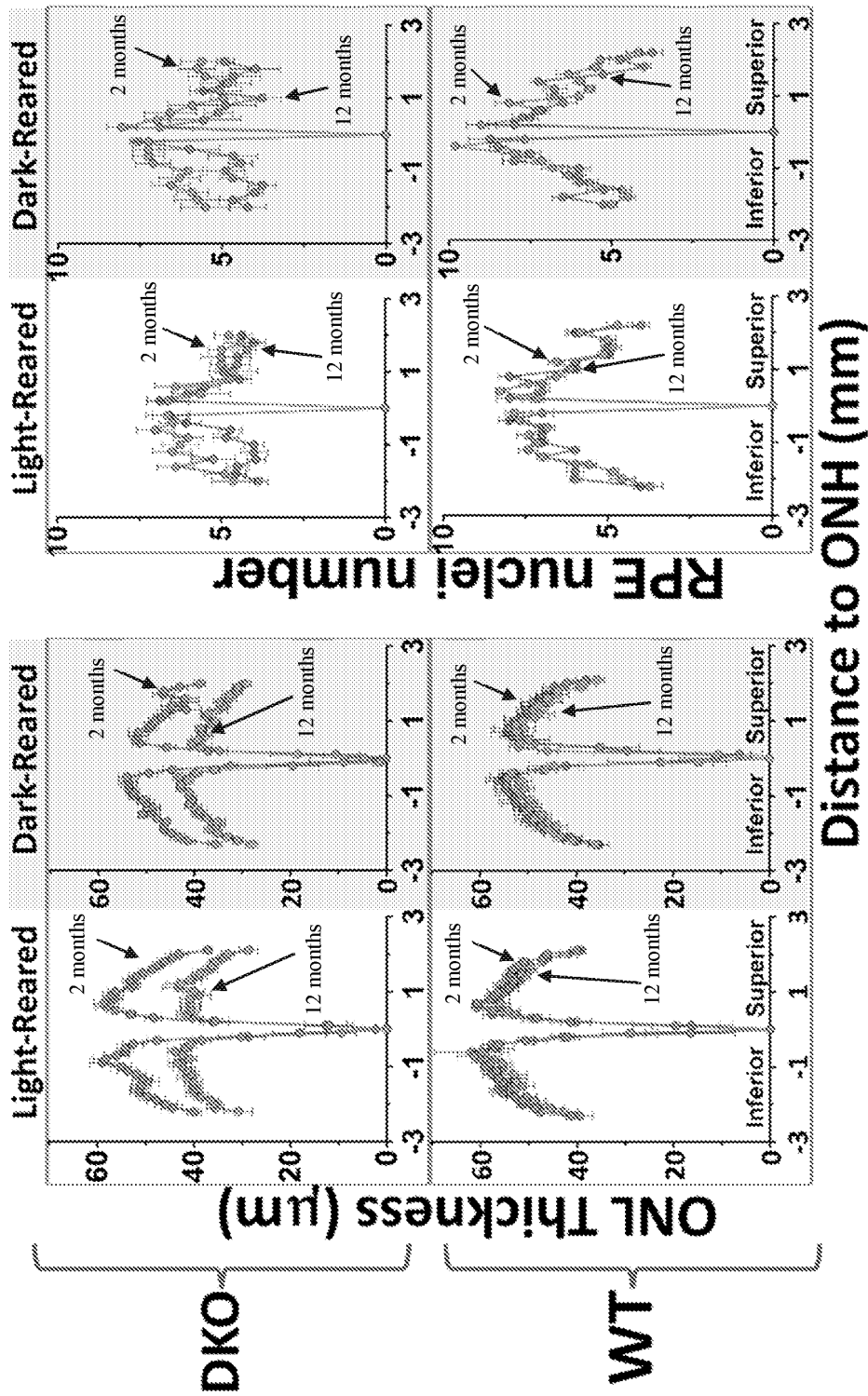


FIG. 2J

FIG. 3A



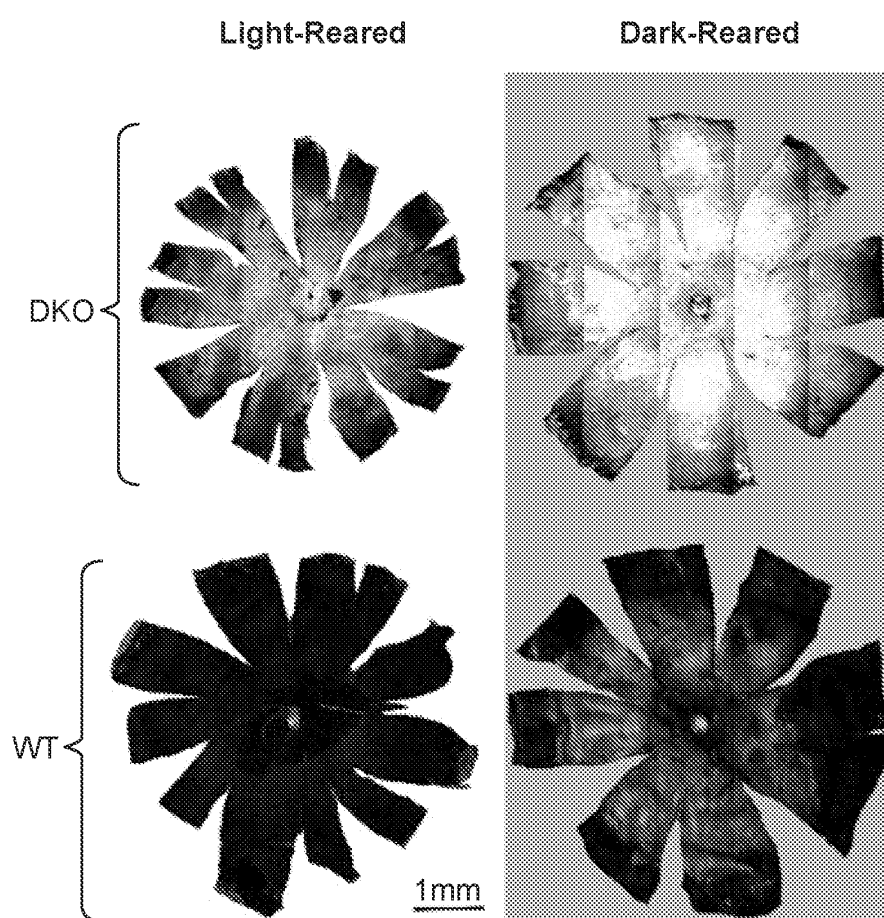


FIG. 3B

FIG. 4A

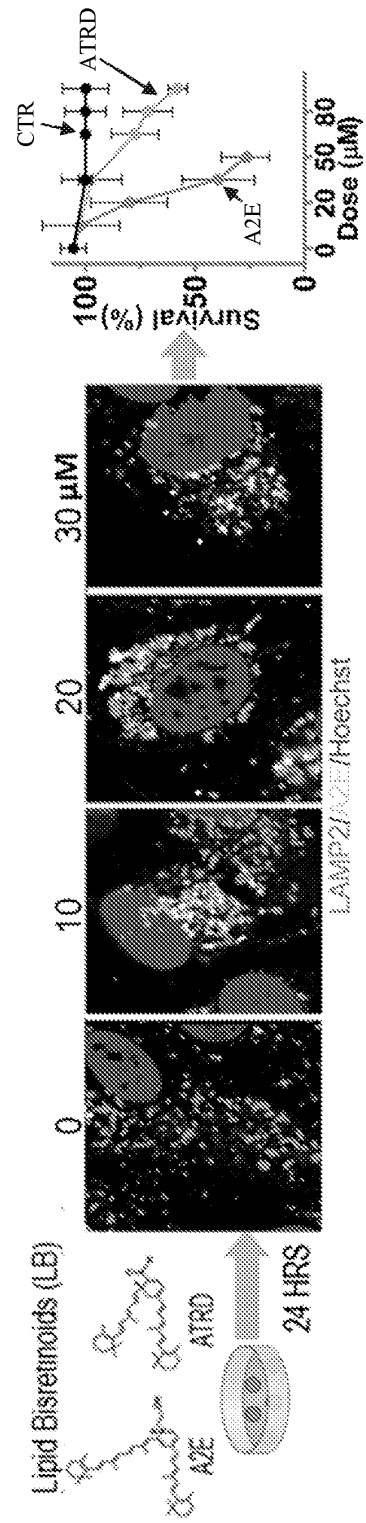


FIG. 4B

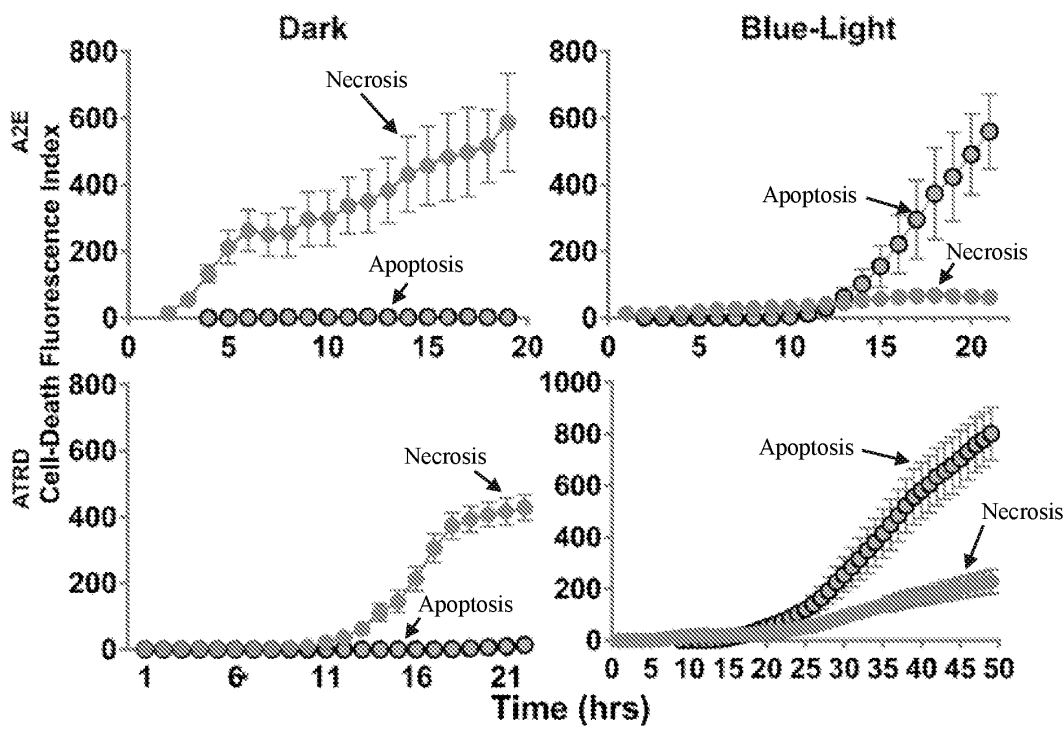


FIG. 4C

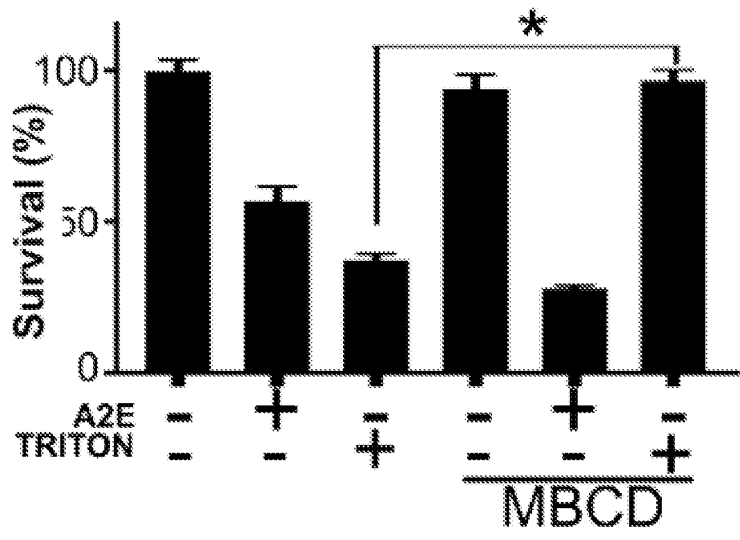


FIG. 4D

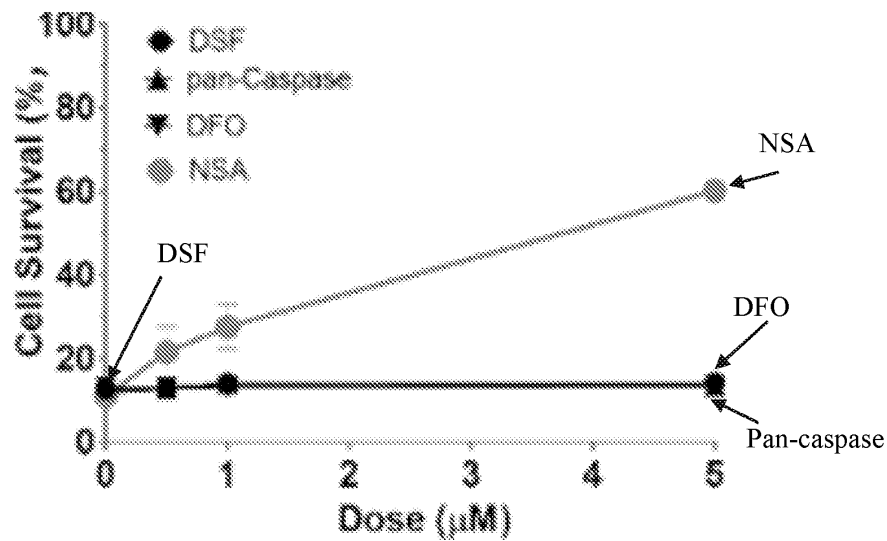


FIG. 4E

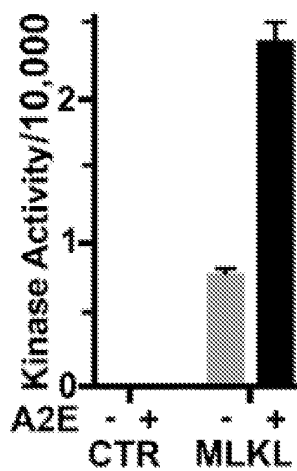


FIG. 4F

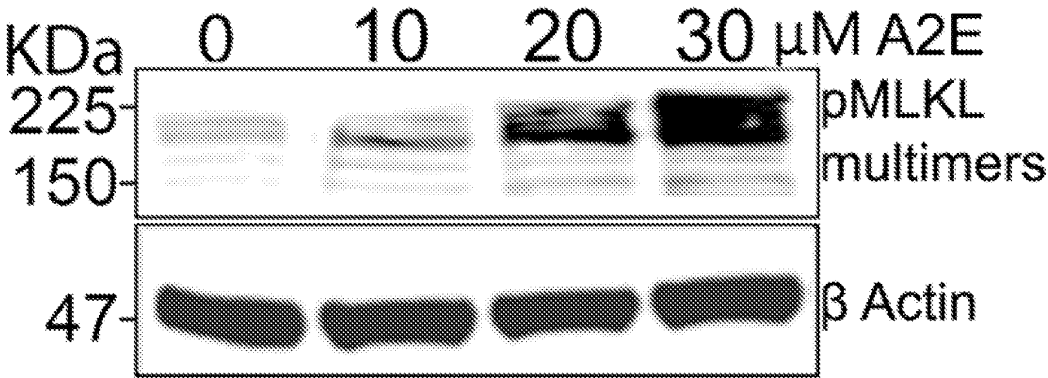
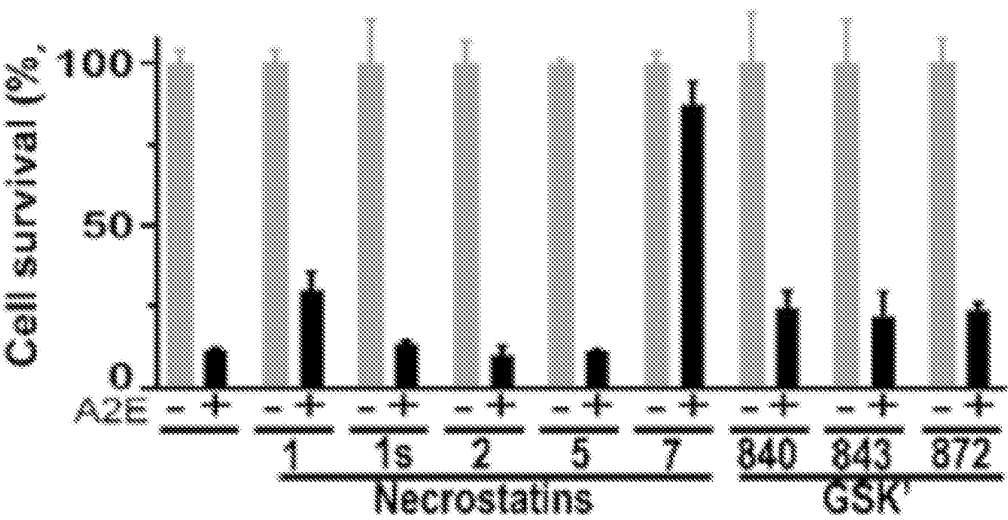


FIG. 4G



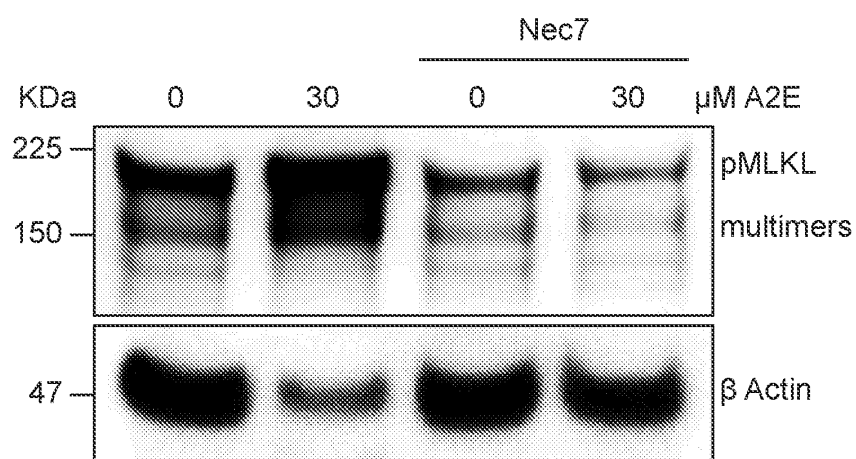


FIG. 4H

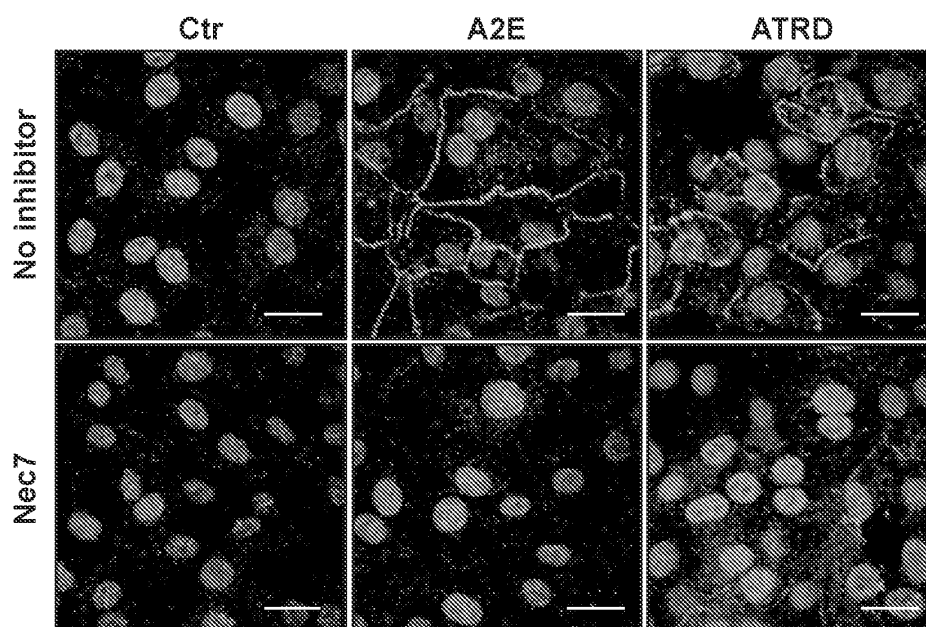


FIG. 4I

FIG. 4J

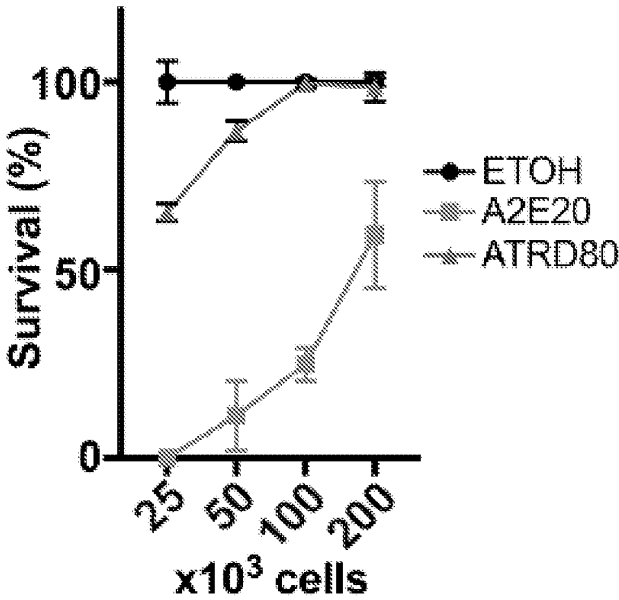


FIG. 4K

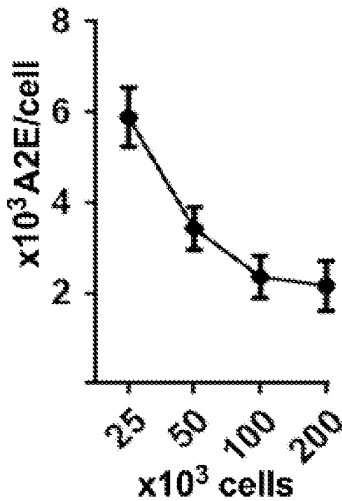


FIG. 4L

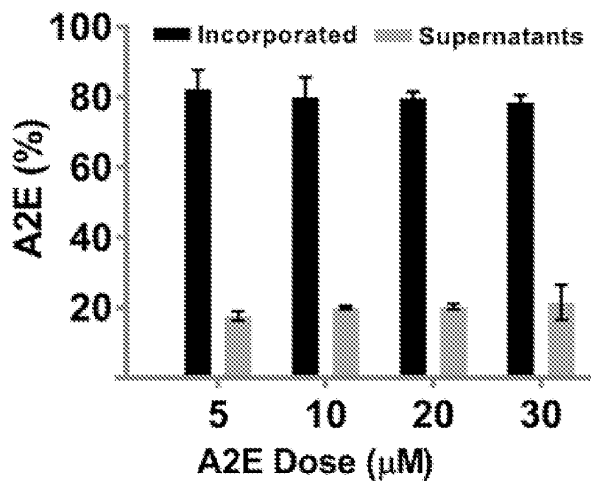


FIG. 4M

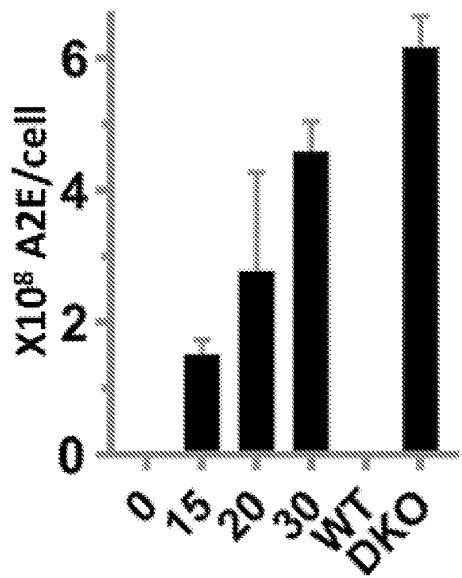


FIG. 4N

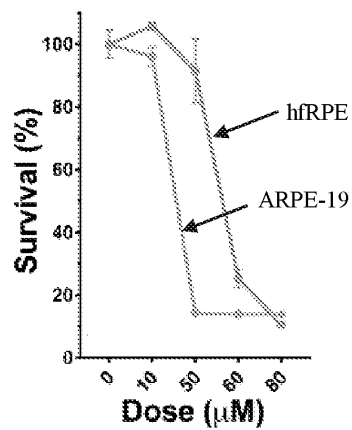
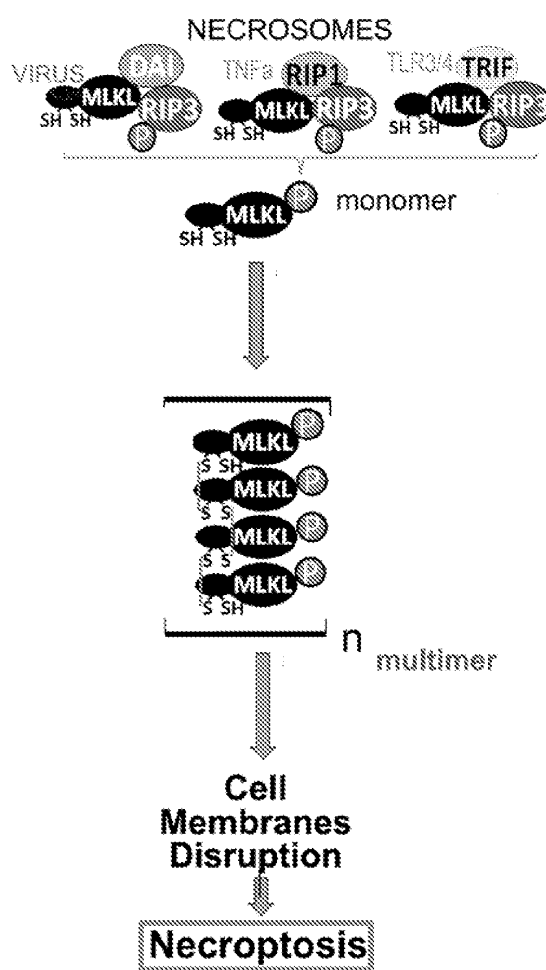


FIG. 4O



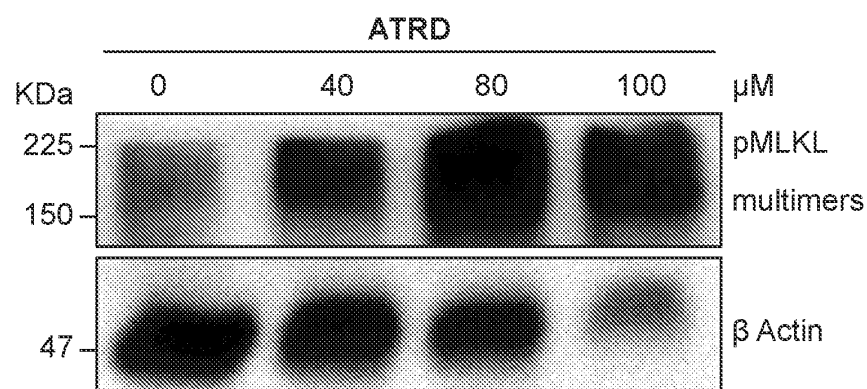


FIG. 4P

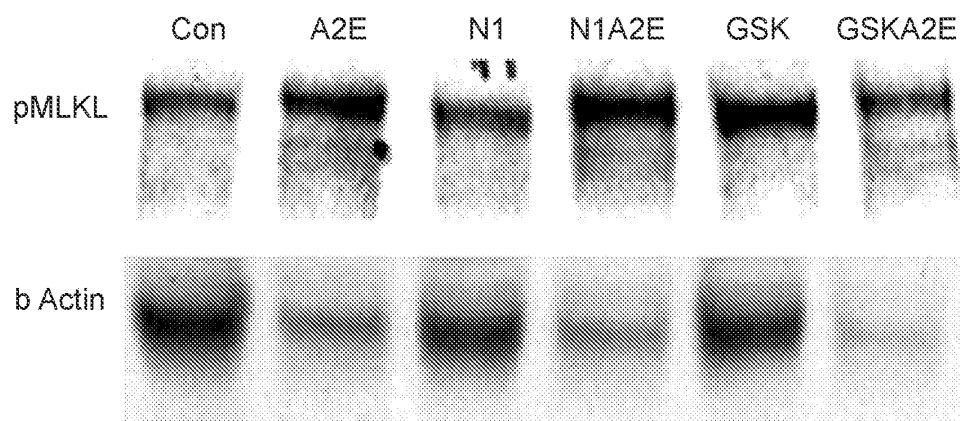


FIG. 4Q

FIG. 4R

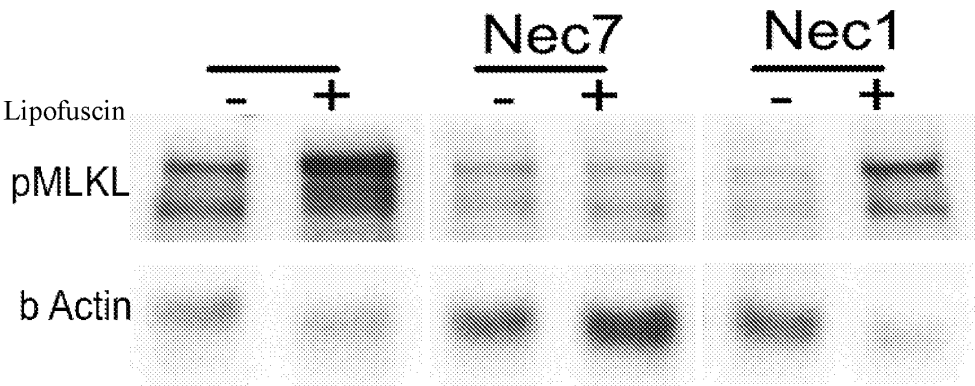


FIG. 4S

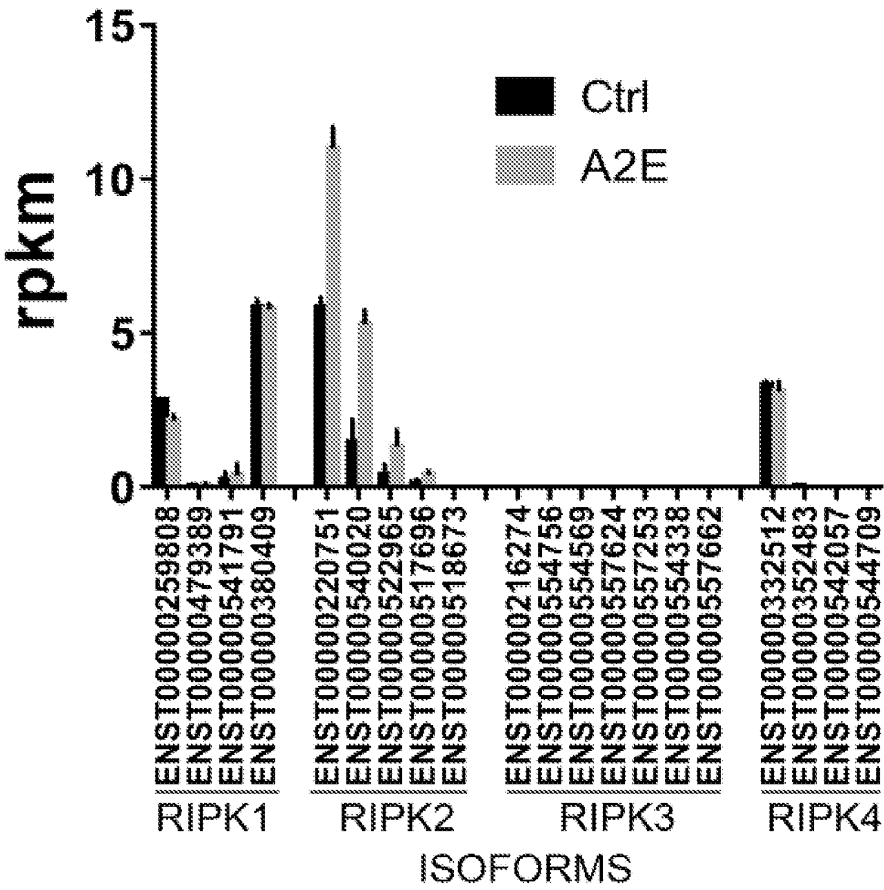


FIG. 4T

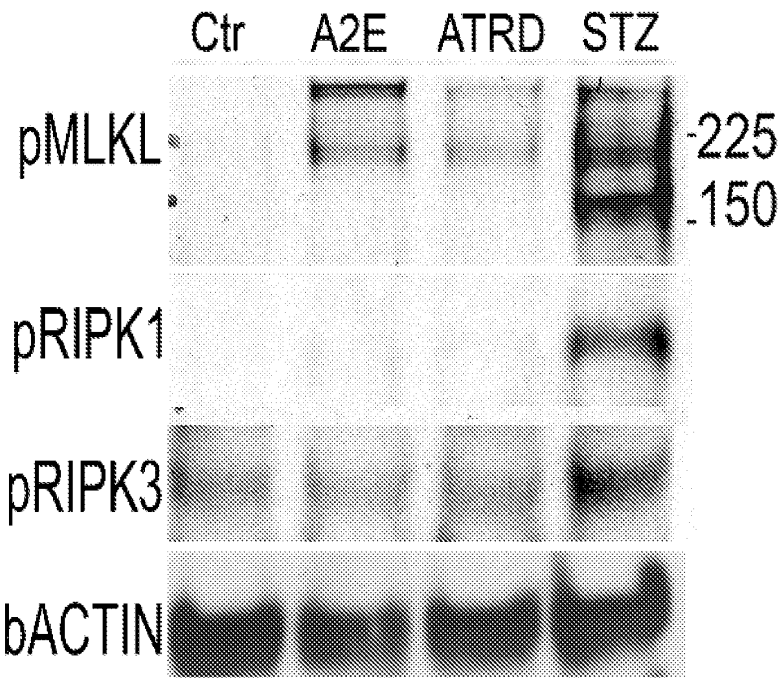


FIG. 4U

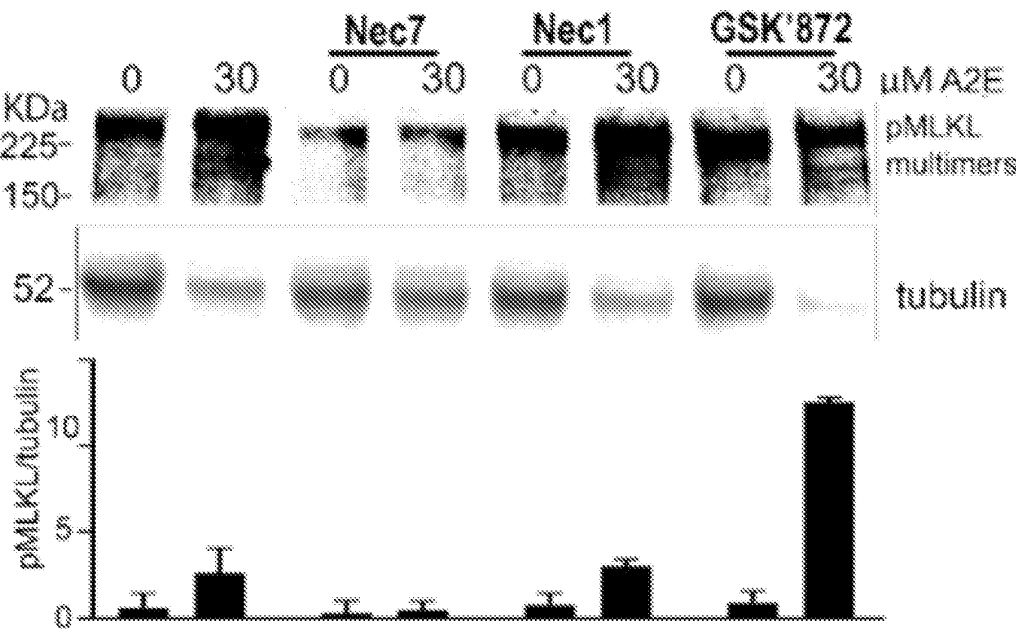


FIG. 4V

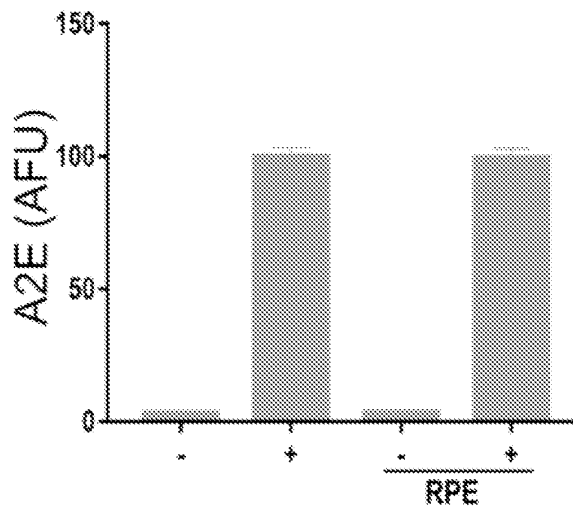


FIG. 4W

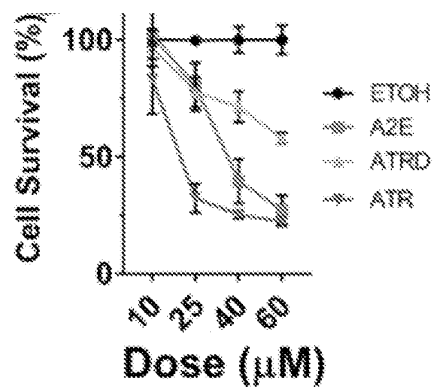


FIG. 4X

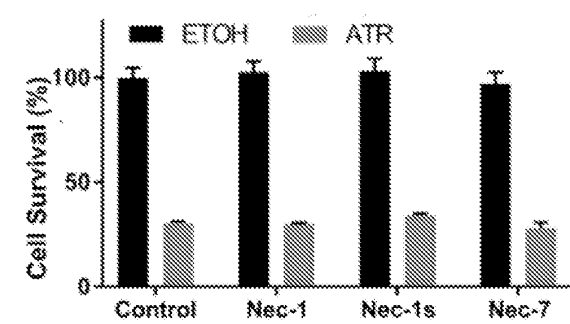


FIG. 4Y

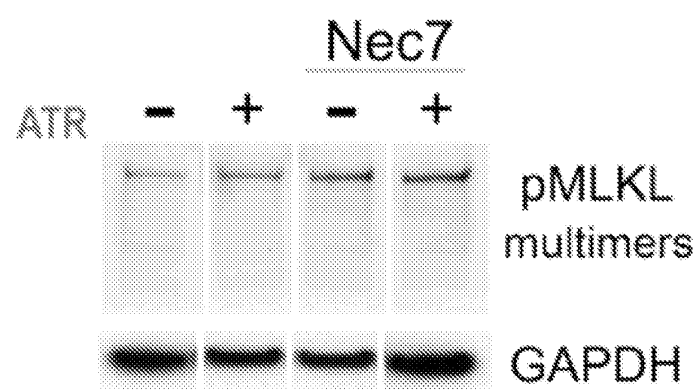


FIG. 5A

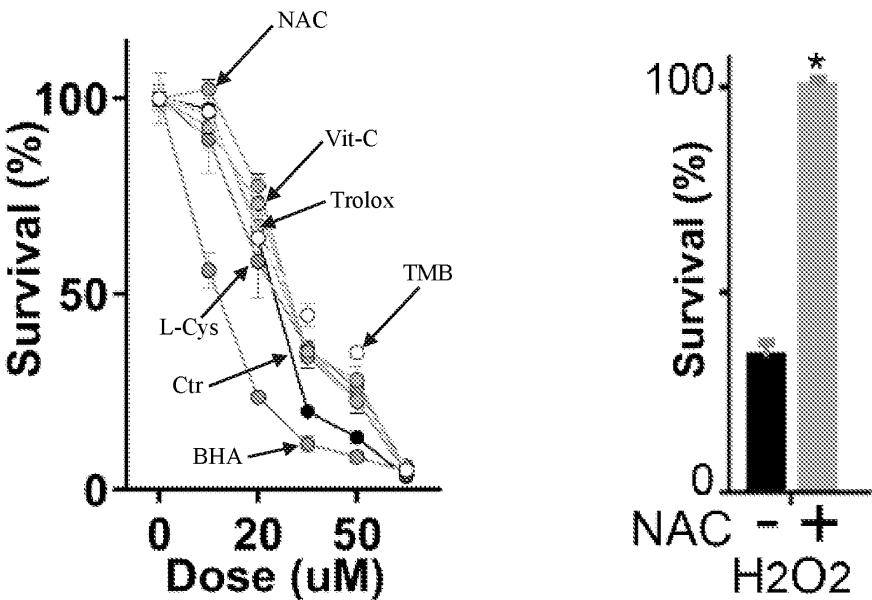


FIG. 5B

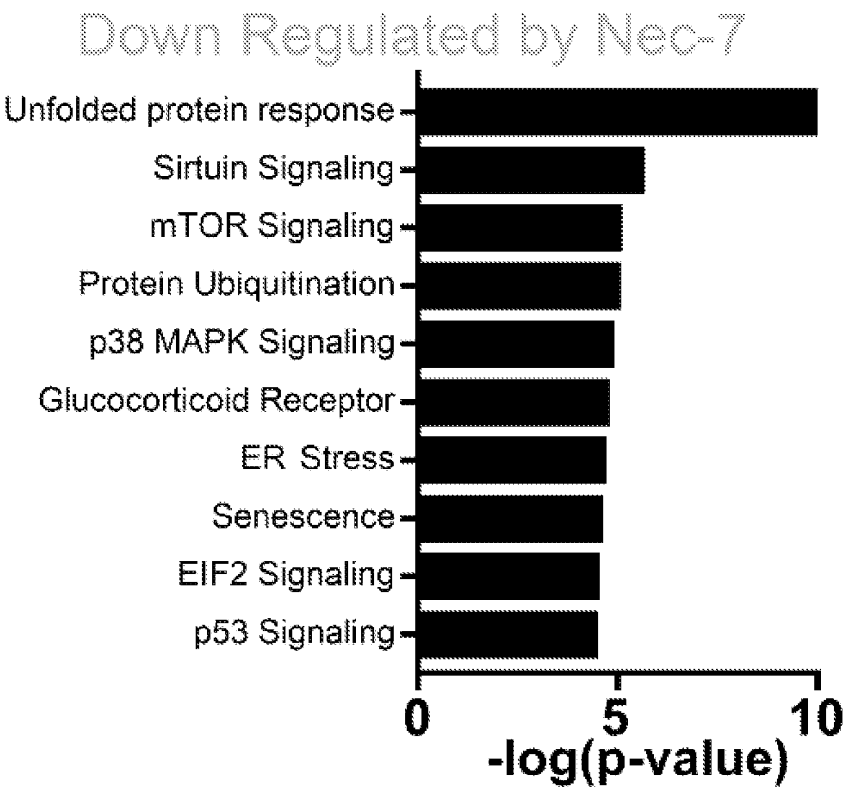


FIG. 5C

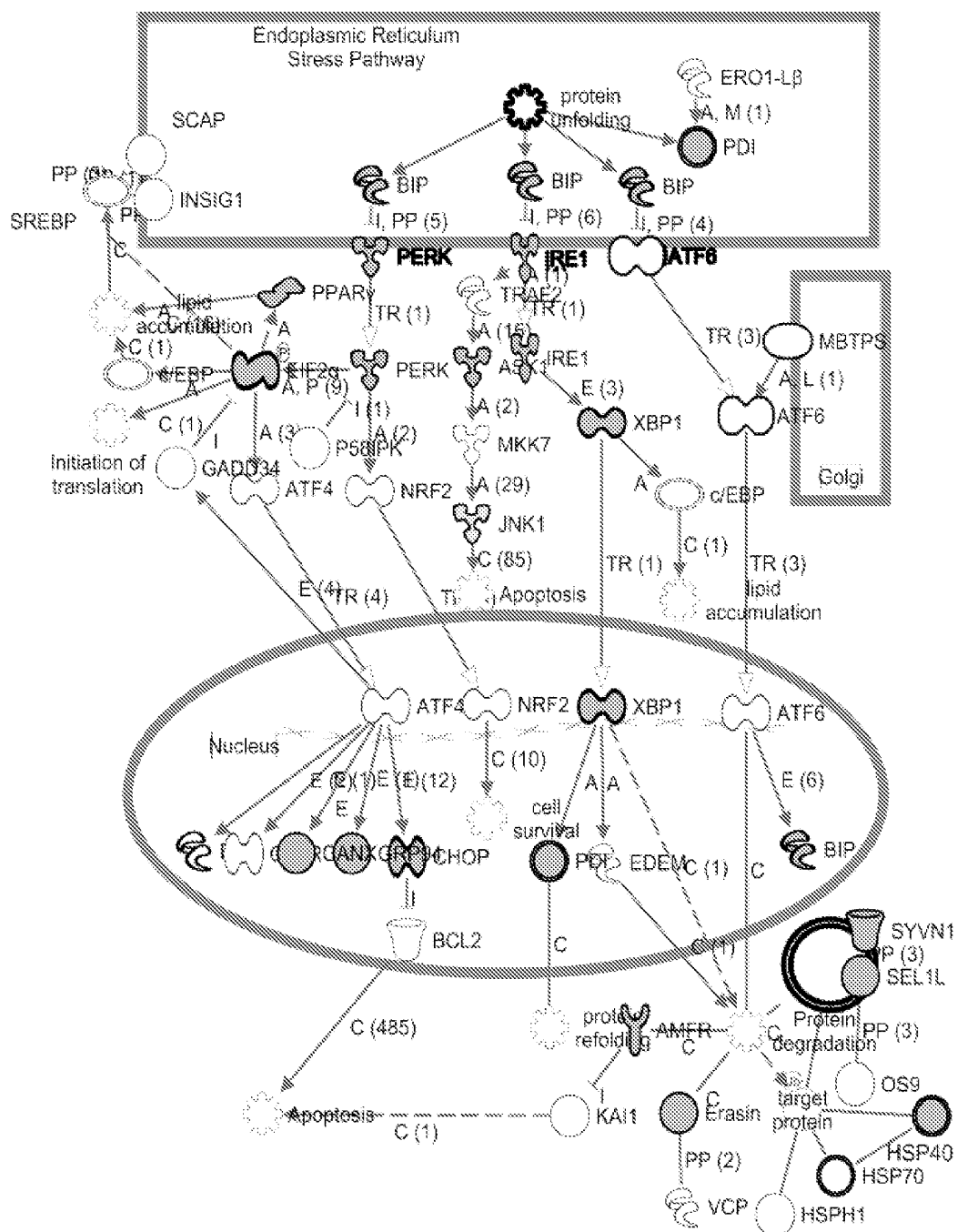


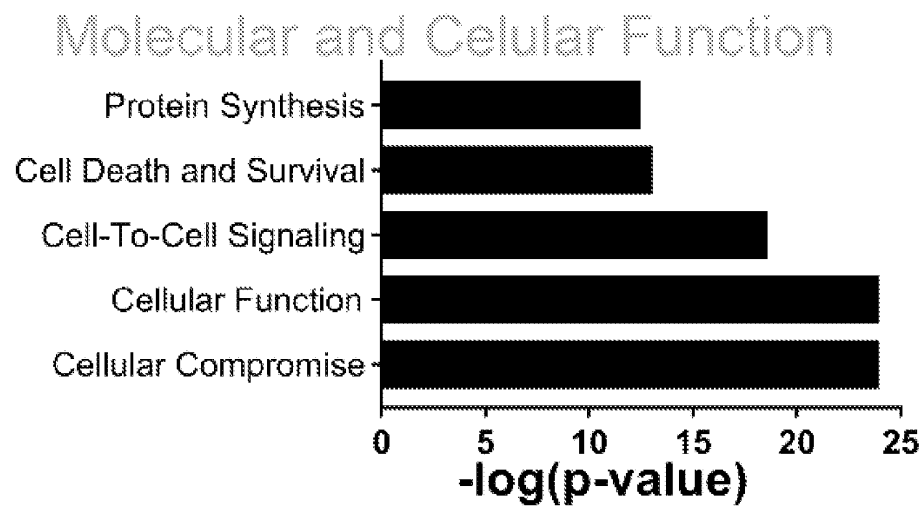
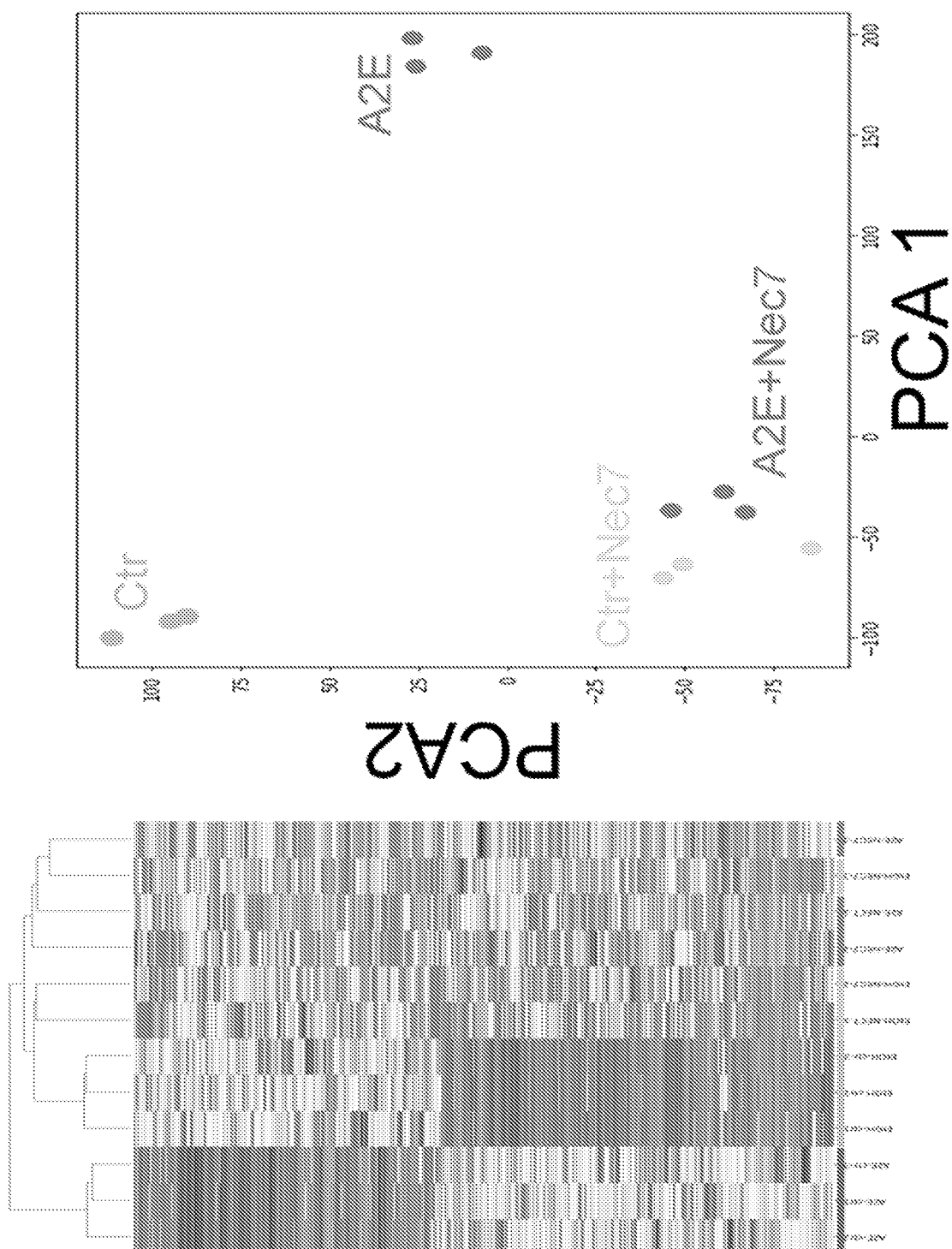
FIG. 5D

FIG. 5E



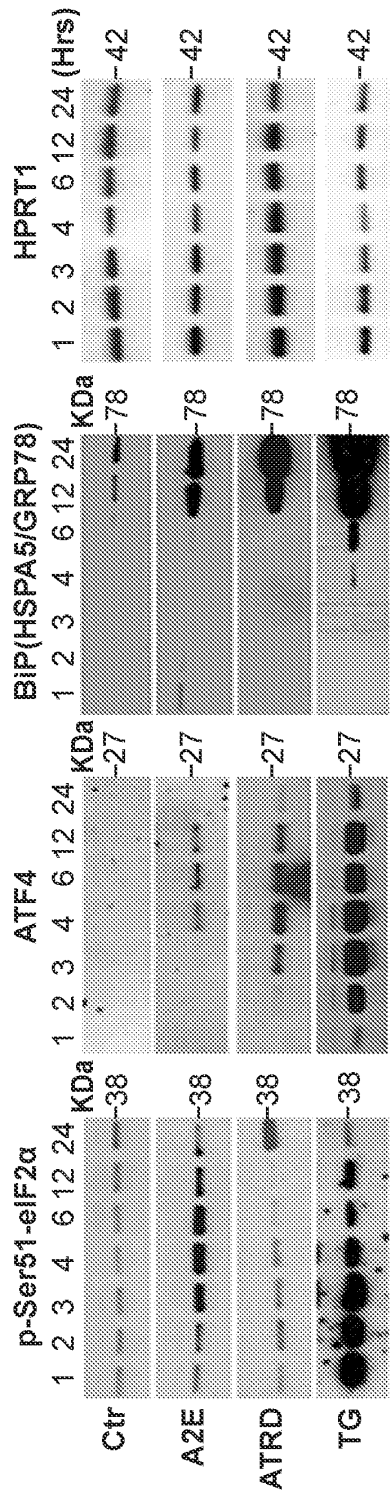


FIG. 6A

FIG. 6B

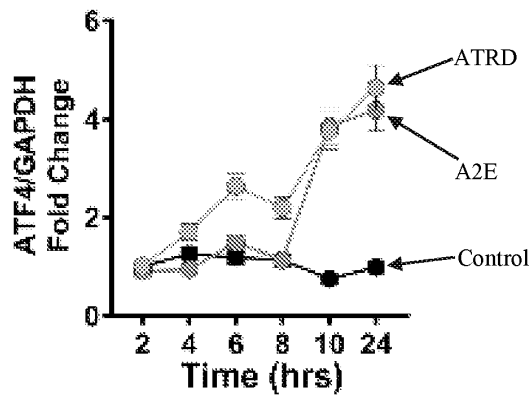


FIG. 6C

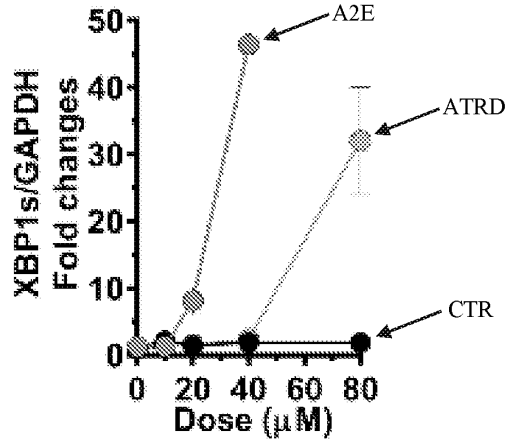


FIG. 6D

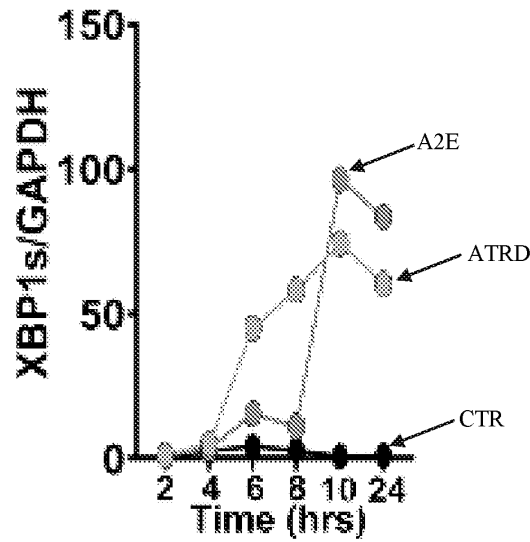


FIG. 6E

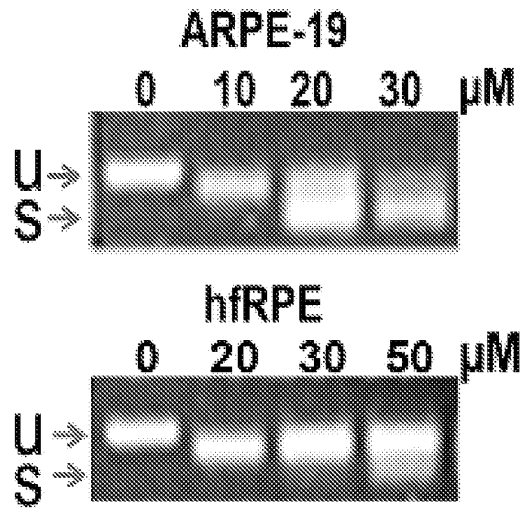


FIG. 6F

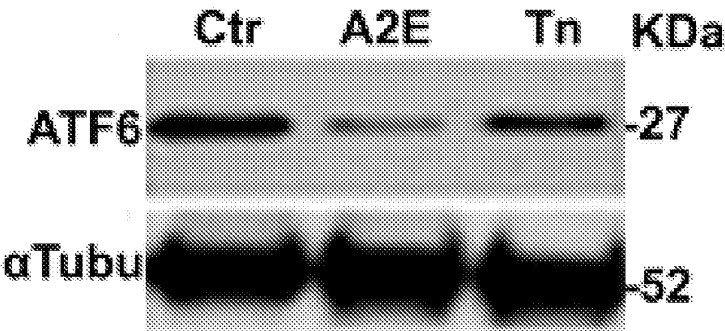


FIG. 6G

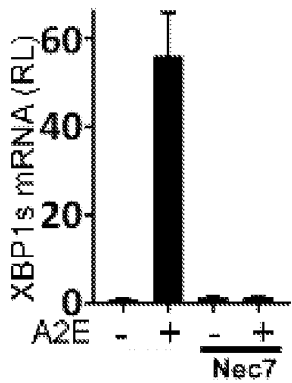


FIG. 6H

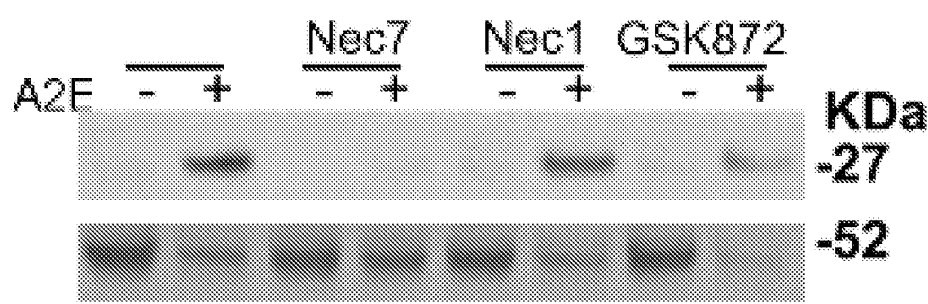


FIG. 6I

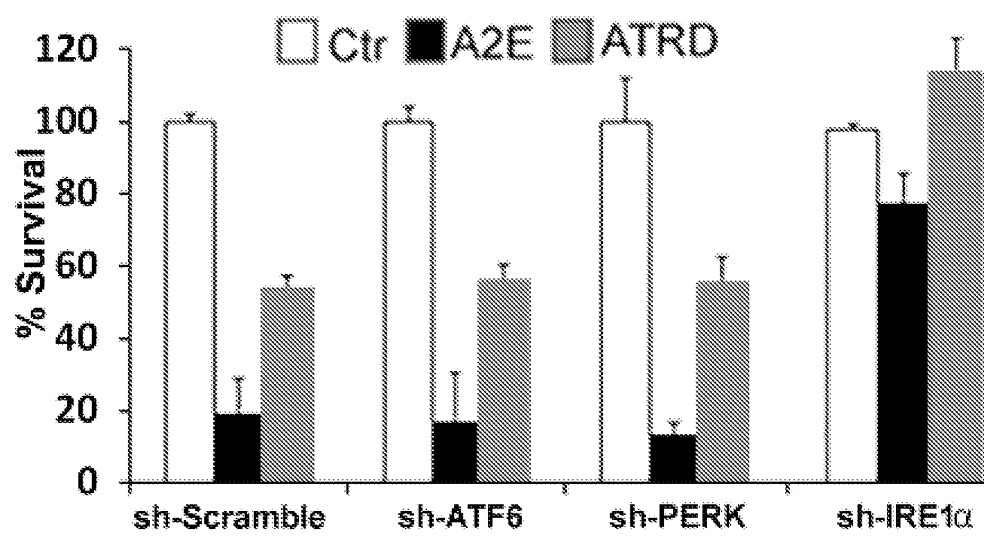


FIG. 6J

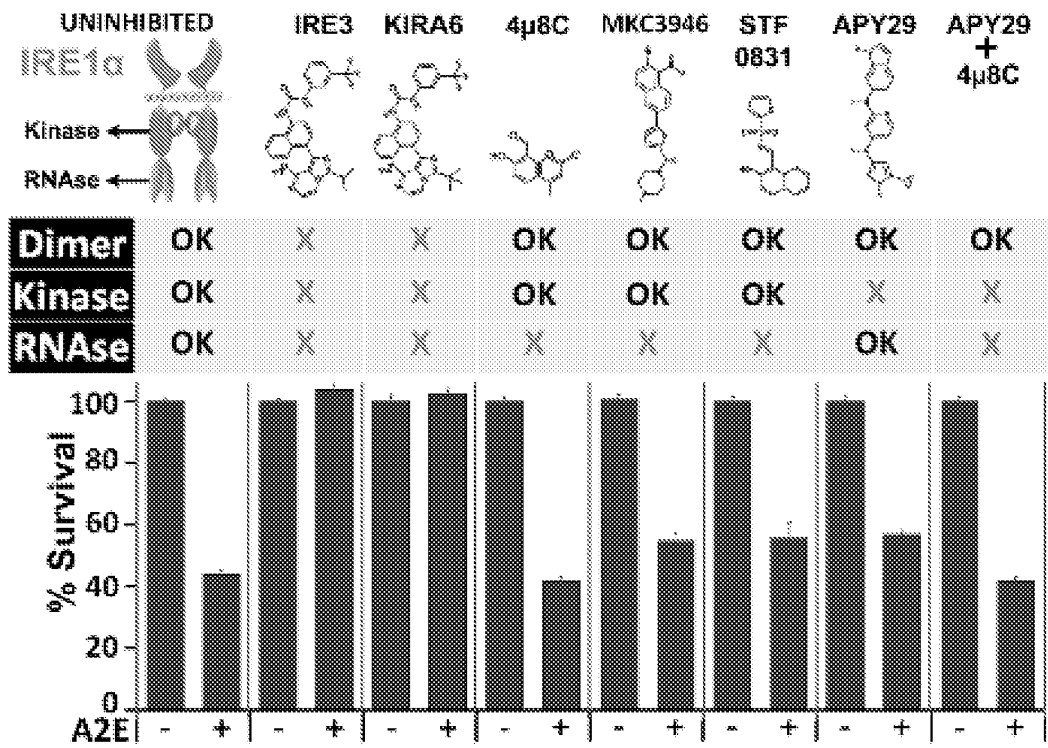


FIG. 6K

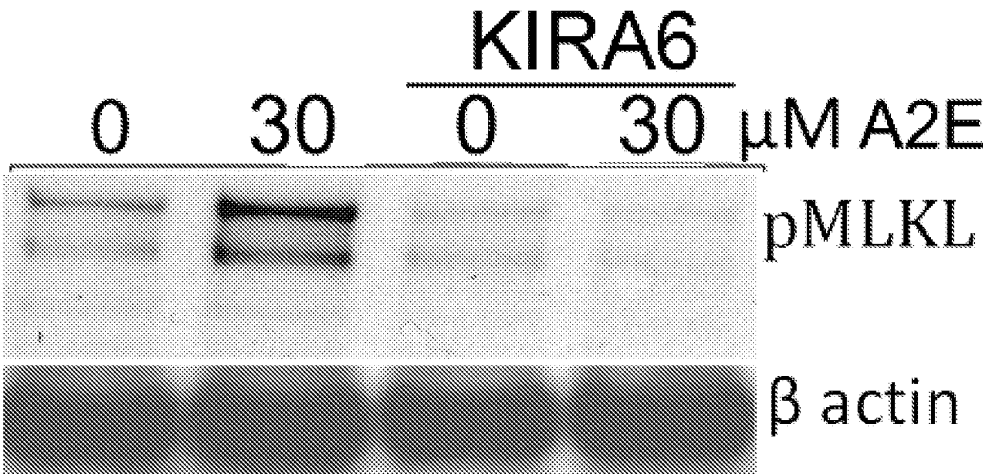


FIG. 6L

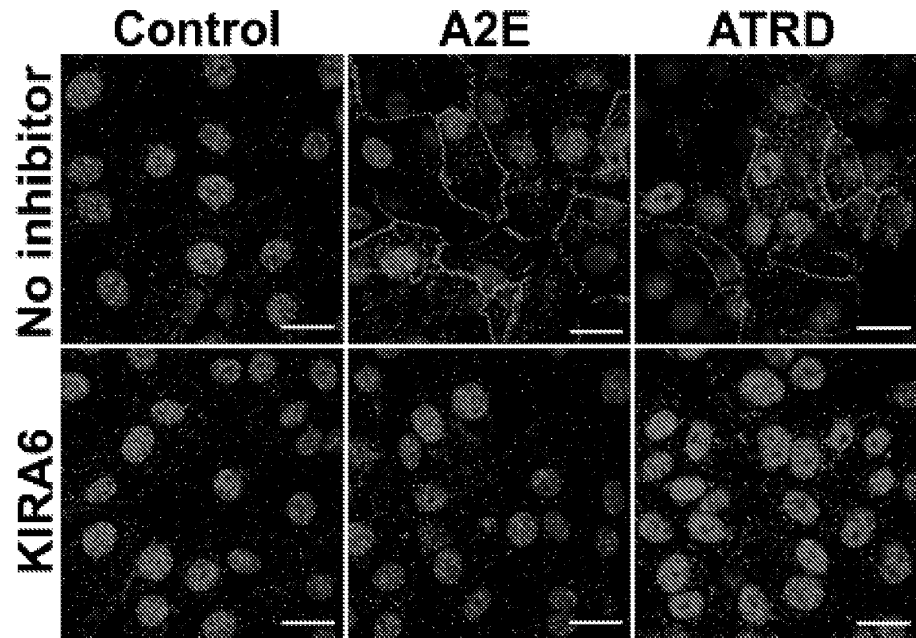


FIG. 6M

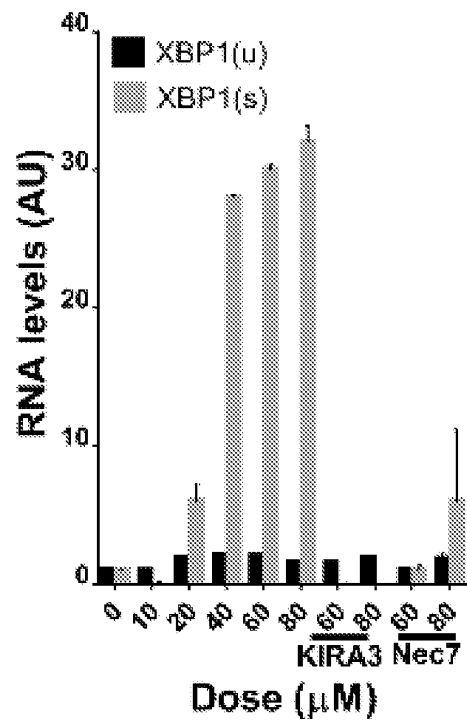


FIG. 6N

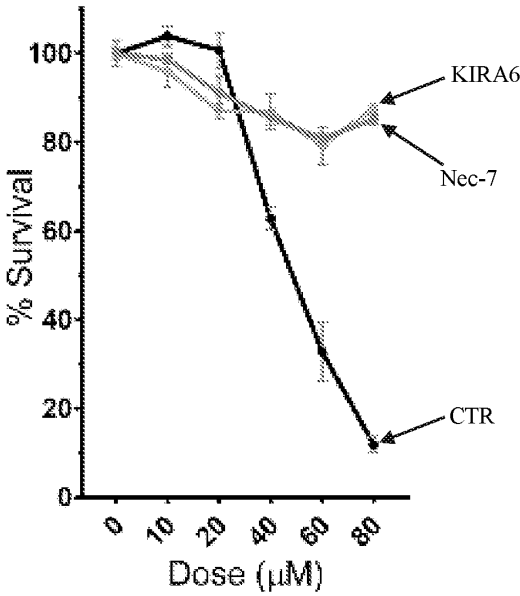
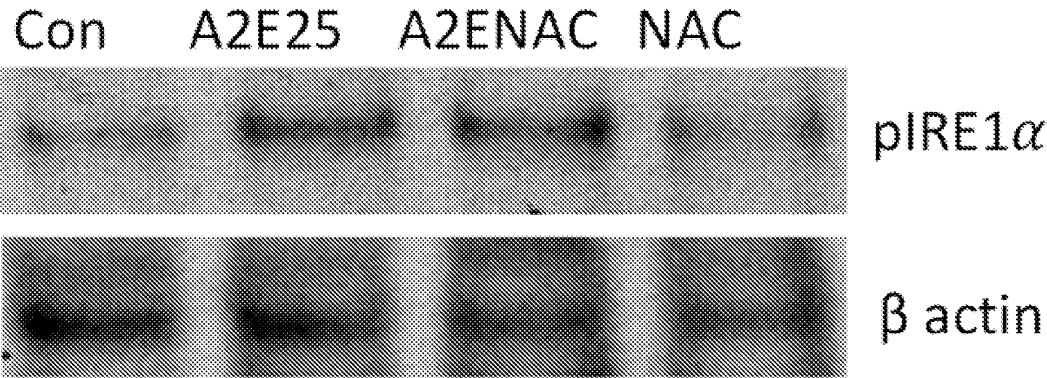


FIG. 6O



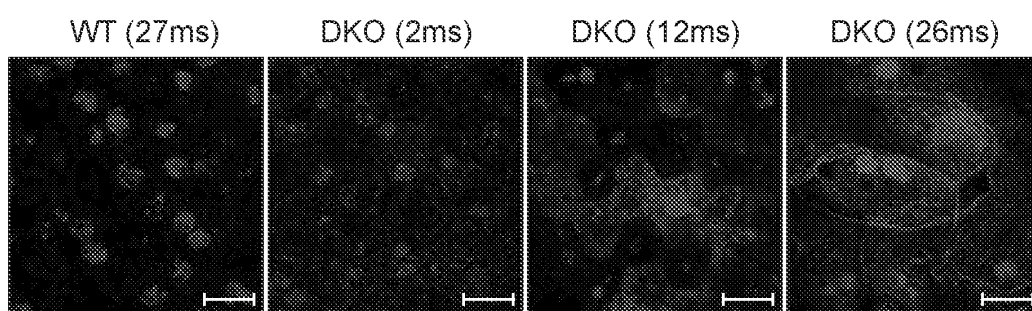


FIG. 7A

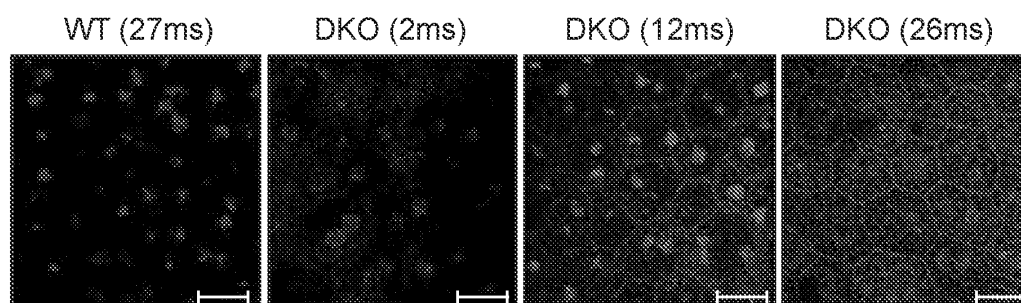


FIG. 7B

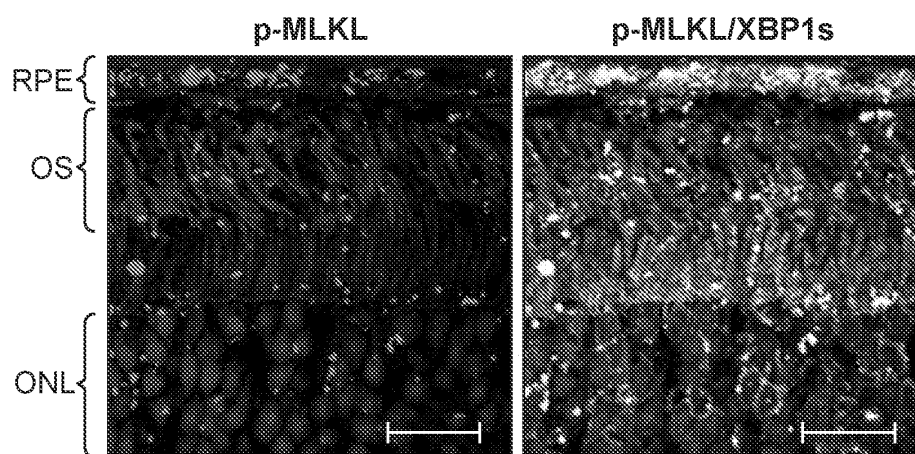


FIG. 7C

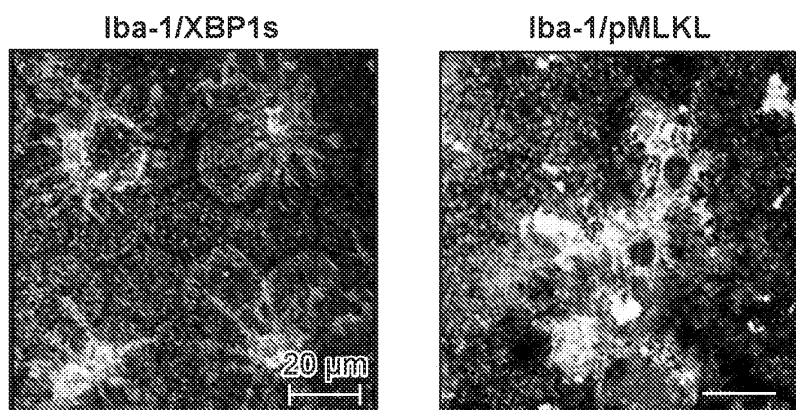


FIG. 7D

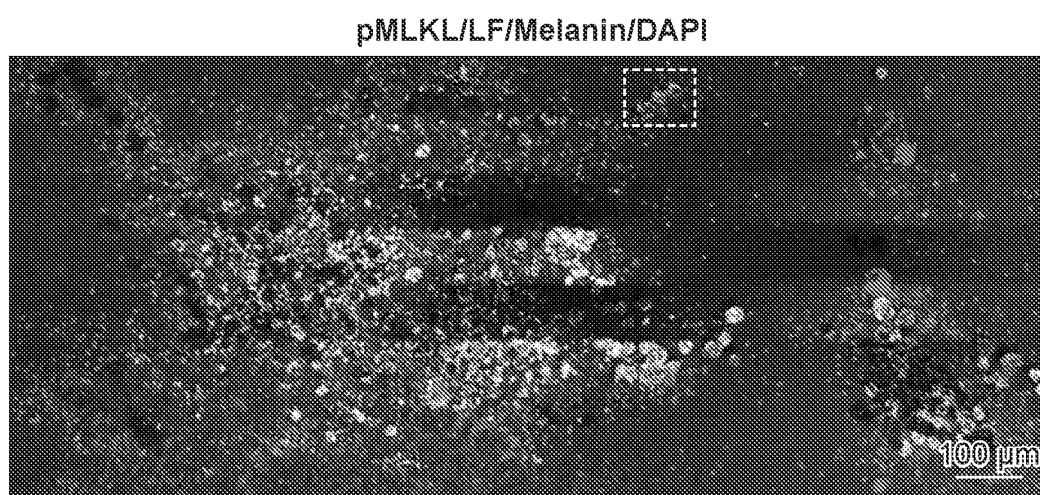


FIG. 7E

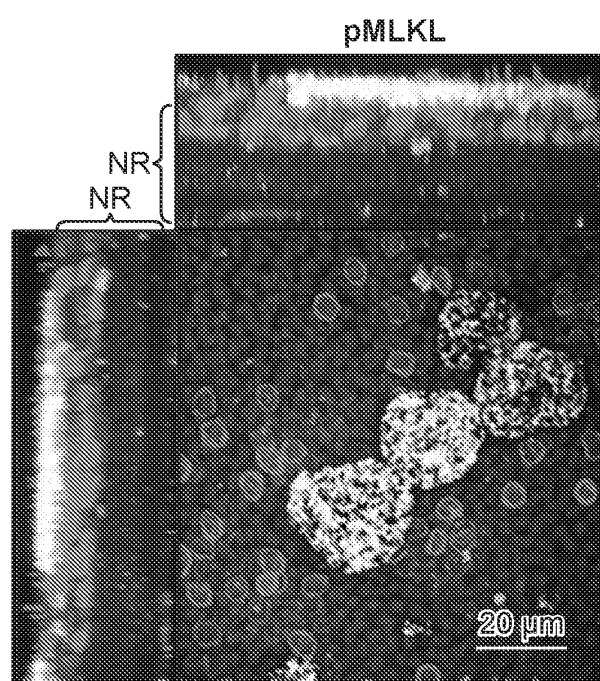


FIG. 7F

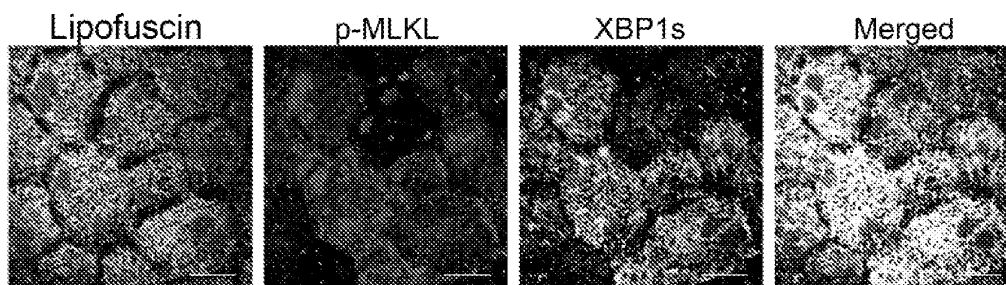
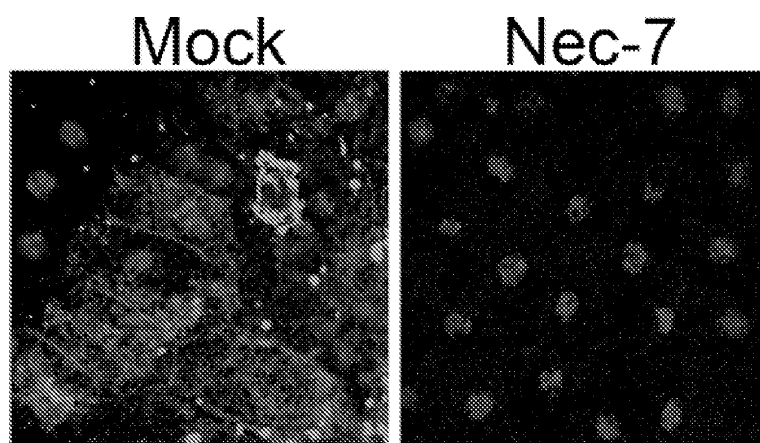
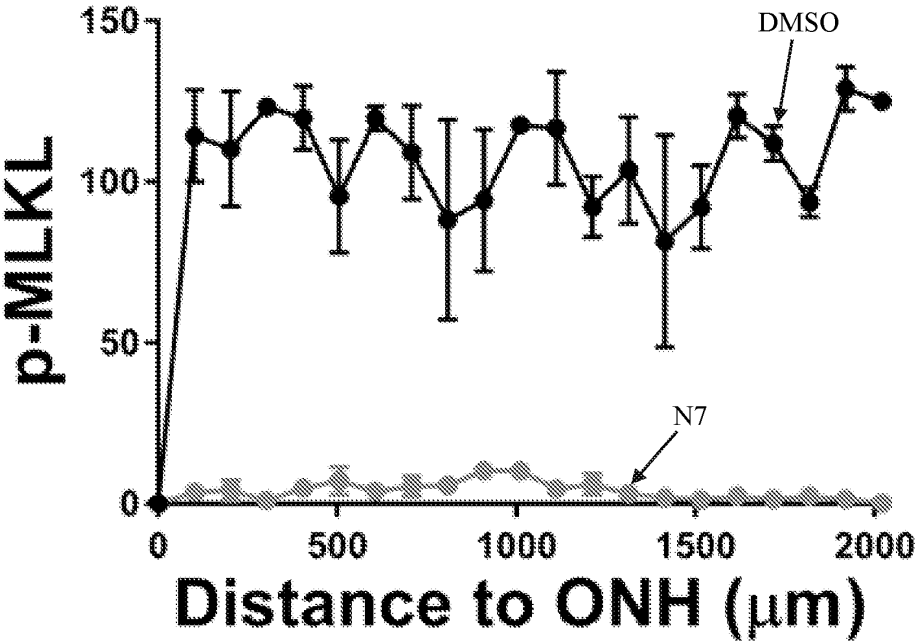
FIG. 7G**FIG. 7H**

FIG. 7I



p-MLKL

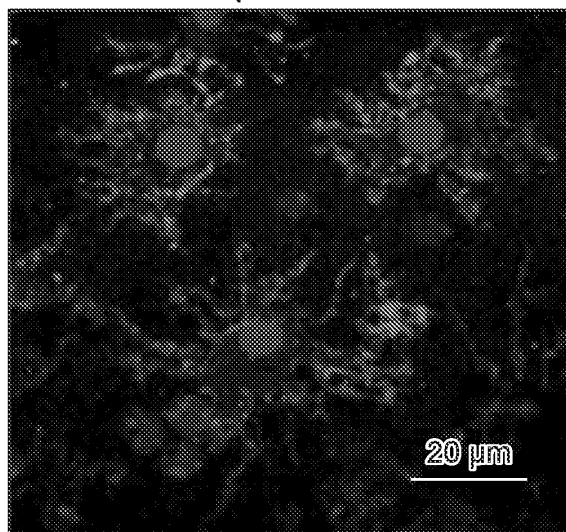


FIG. 7J

p-MLKL

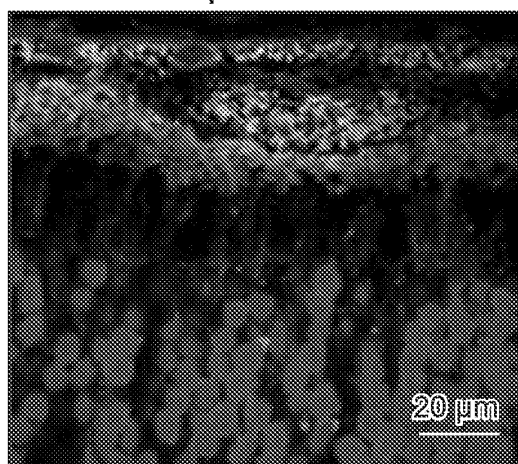


FIG. 7K

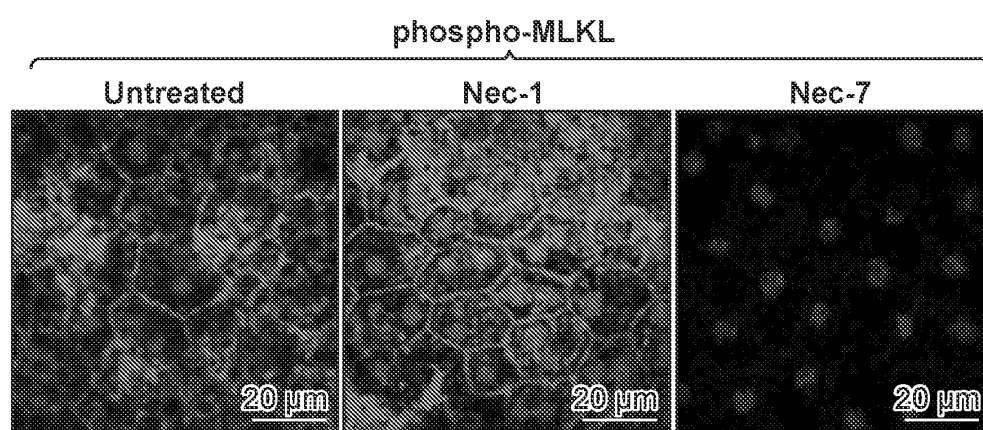


FIG. 7L

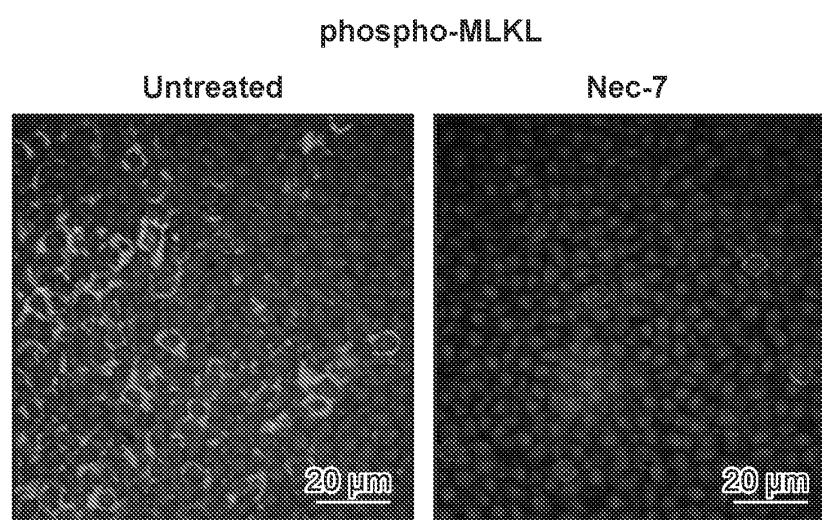


FIG. 7M

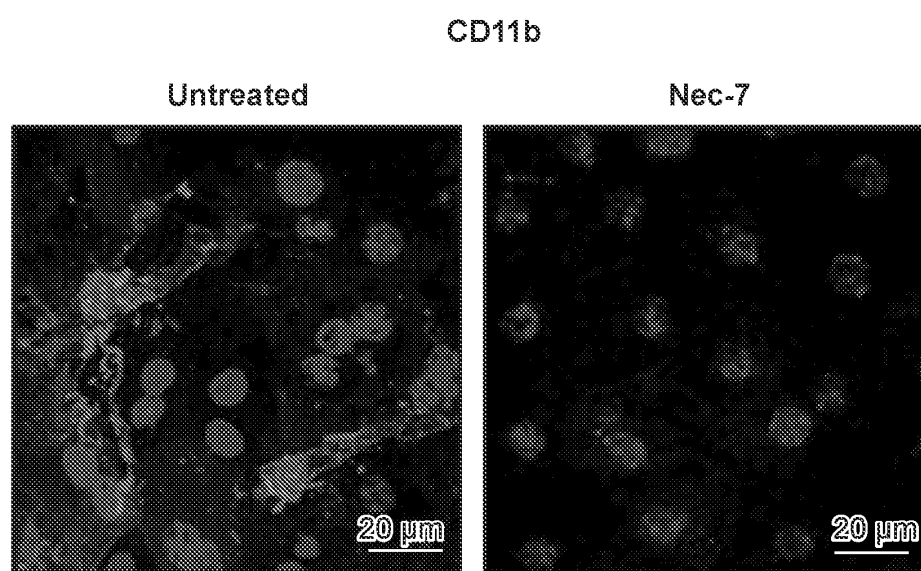


FIG. 7N

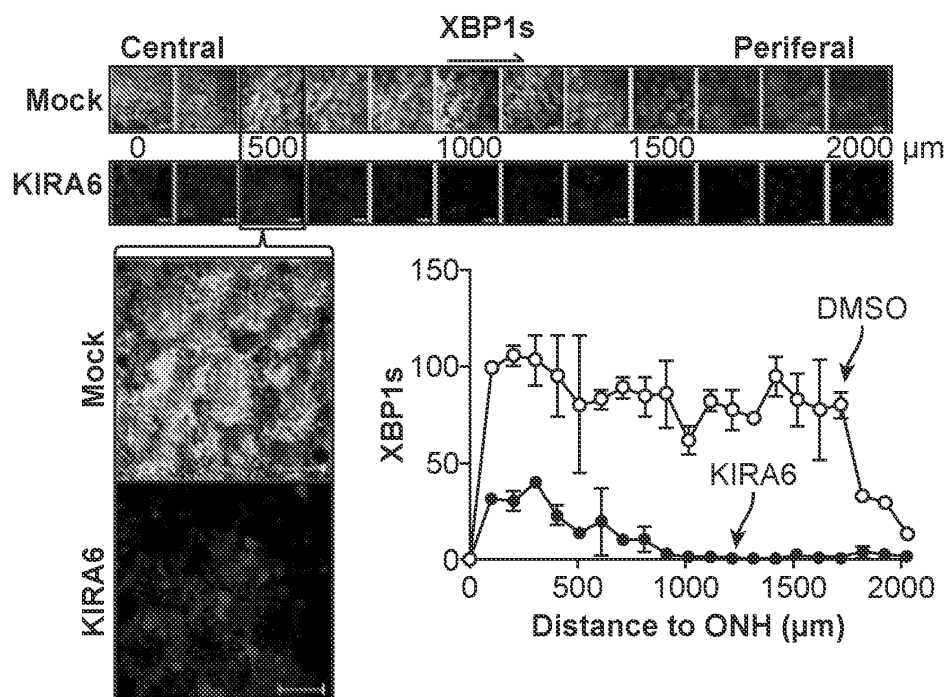


FIG. 8A

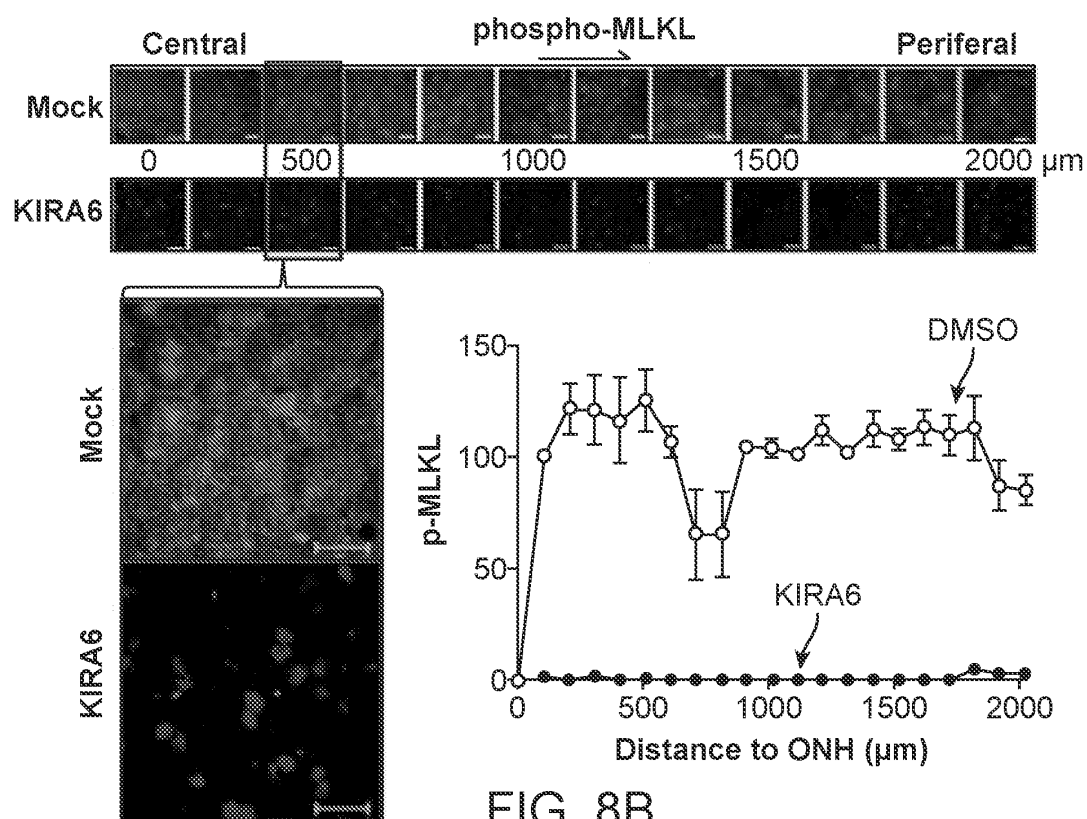


FIG. 8B

FIG. 8C

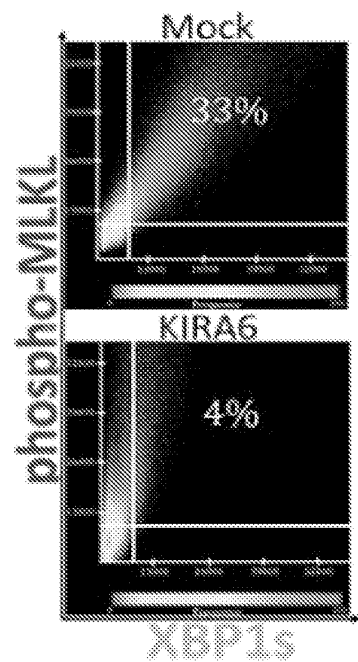


FIG. 8D

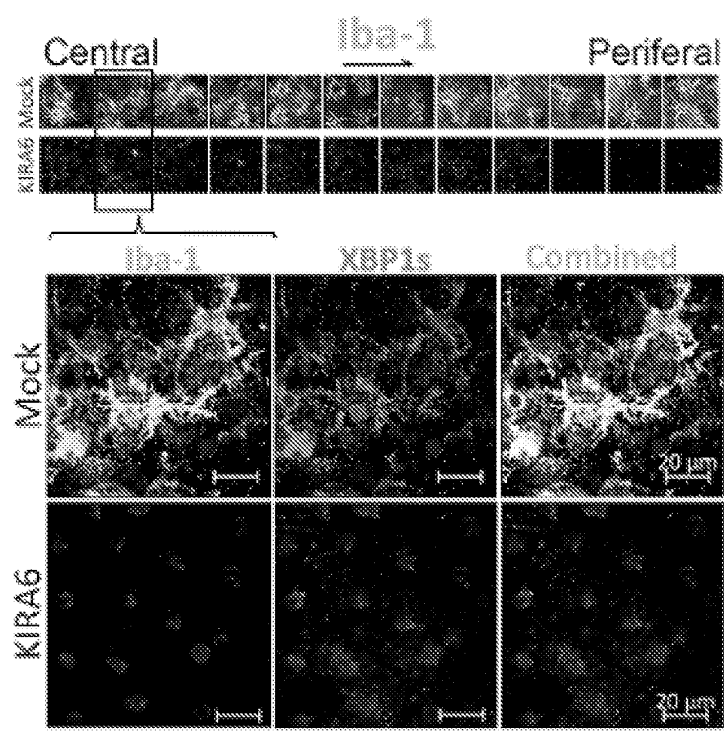


FIG. 8E

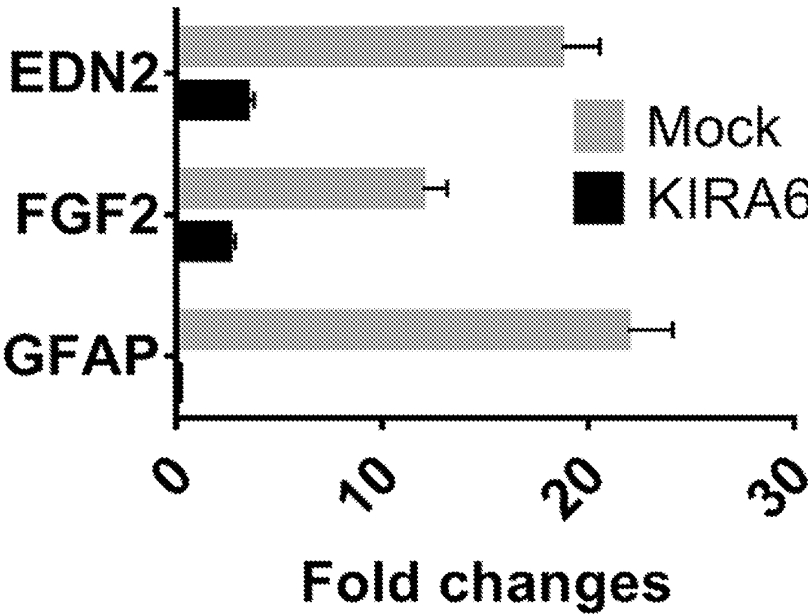


FIG. 8F

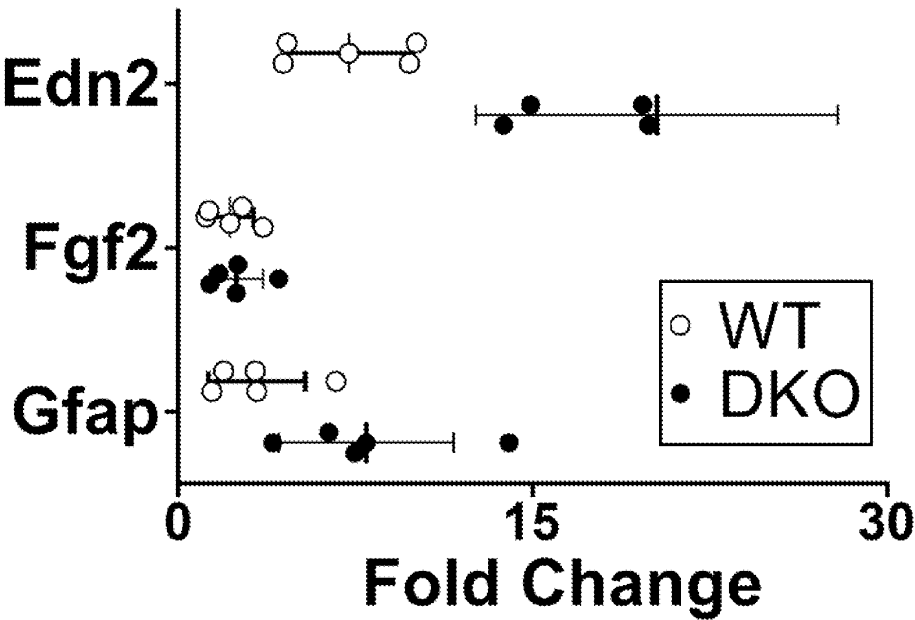


FIG. 9A

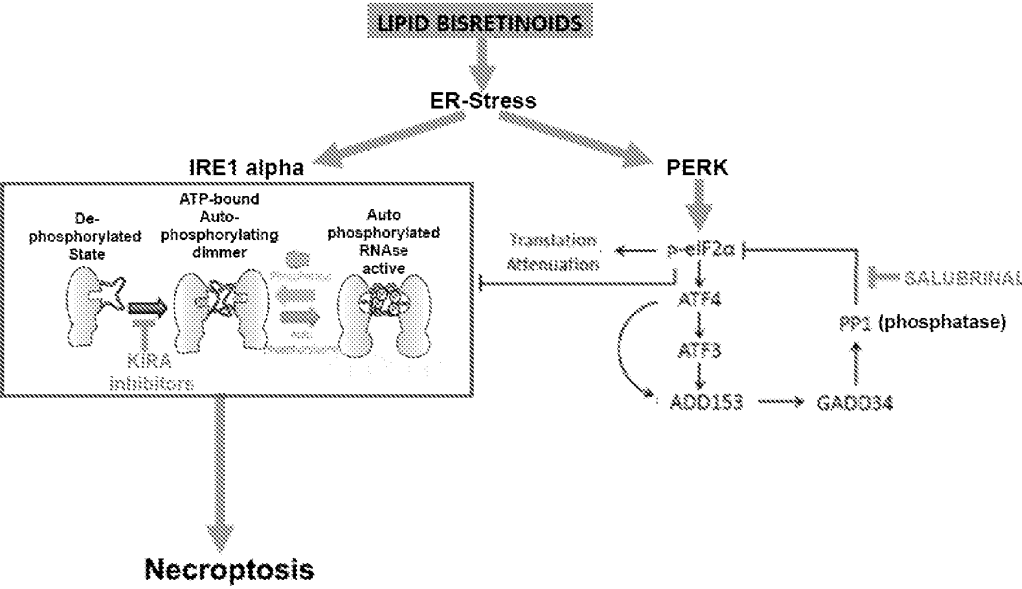
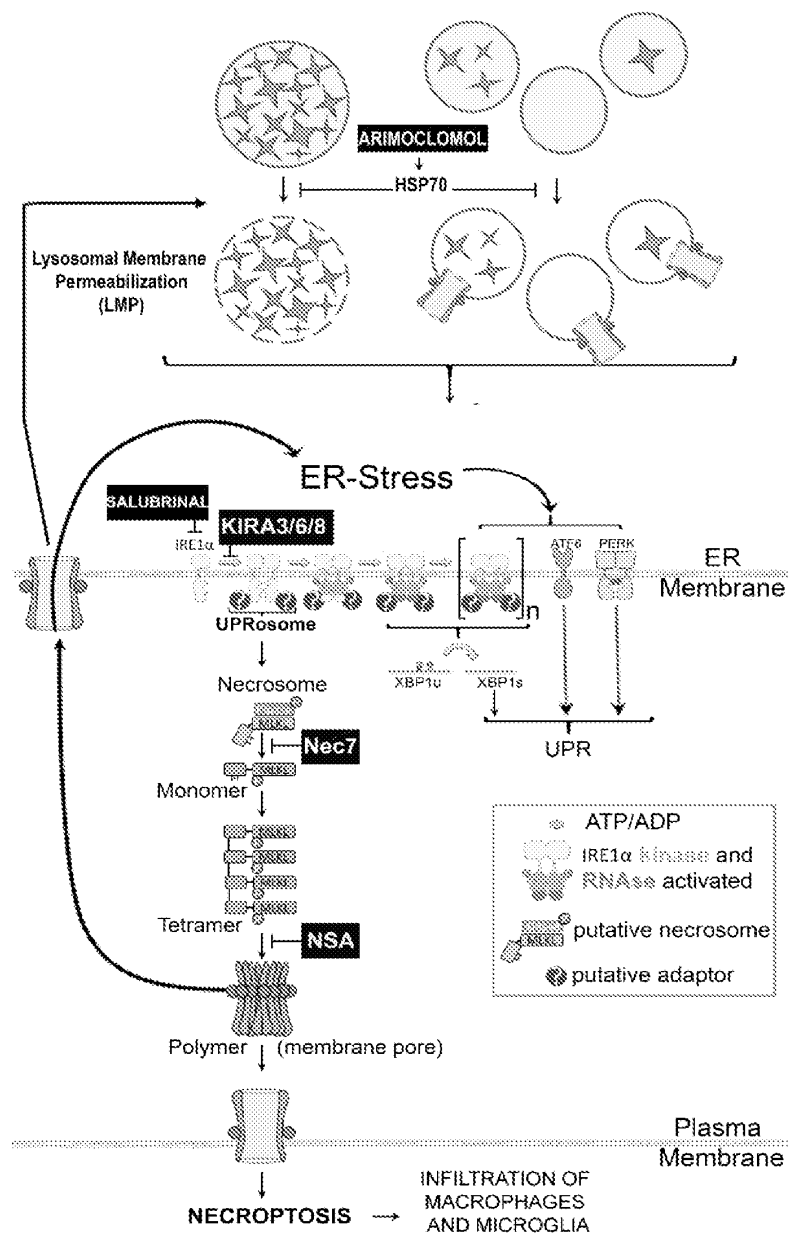


FIG. 9B



Target	Clone	Company	Cat. No.	Application	Dilution/WB	Dilution/IHC
Phalloidin		Biotium	0052	F label		1:50
IBA-1		Millipore	MABN92	IF		1:200
Rhodopsin		Abcam	Ab3267	IF		1:200
CellRox		ThermoFisher	C10422	F Probe		1:500
Lamp1	H4A3	DSHB	H4A3	IF		1:100
DNP		Millipore	D9656	IF		1:250
CHOP	L63F7	Cell Signaling	2895	IF, WB	1:500	1:250
ATF6	F6	Santa Cruz	Sc-166659	WB	1:250	
p-eIF2a	D9G8	Cell Signaling	3398	IF, WB	1:300	1:250
ATF4	D4B8	Cell Signaling	11815	WB	1:300	
BIP	C50B12	Cell Signaling	3177	IF		1:250
HPRT1						
XBP1s	9D11A43	Biolegend	658802(M)	IF		1:100
XBP1s		Biolegend	647502(H)	IF		1:100
Cleaved Caspase3	5A1E	Cell Signaling	9664	IF		1:400
p-MLKL	EPR9514	Abcam	Ab187091(H)	IF		1:250
p-MLKL	EPR9515	Abcam	Ab196436(M)	IF		1:250
b-Actin	13E5	Cell Signaling	4970	WB	1:10,000	
MLKL	D216N	Cell Signaling	14993	WB	1:300	
MLKL	3H1	Millipore	MABC604	IP	1:40	
RIP3	E1Z1D	Cell Signaling	13526	IP	1:40	
p-RIP1	D1L3S	Cell Signaling	65746	WB	1:300	
P-RIP3	D6W2T	Cell Signaling	93654	WB	1:300	
CD11b	H5A45	DSHB	H5A45	IF		1:100

FIG. 10

Target	Forward primer	Reverse primer
XBP1s	GCTGAGTCCGCAGCAGGTGC (SEQ ID NO: 1)	GGTCCAAASTTGTCCAGAATGC (SEQ ID NO: 2)
XBP1u	GCTGAGTCCGCAGCACTCAG (SEQ ID NO: 3)	GGTCCAAASTTGTCCAGAATGC (SEQ ID NO: 4)
ATF4	TGTGGATGGGTTGGTCAGTC (SEQ ID NO: 5)	TCAGAAGGTCATCTGGCATG (SEQ ID NO: 6)
EDN2	CACCTGCGTTTTCGTCGATG (SEQ ID NO: 7)	CCAGTGTCTTCGATGGCAGAA (SEQ ID NO: 8)
FGF2	GCGACCCACACGTCAAACTA (SEQ ID NO: 9)	TCCCTTGATAGACACAACCTCCTC (SEQ ID NO: 10)
GFAP	GCGACCCACACGTCAAACTA (SEQ ID NO: 11)	TCCCTTGATAGACACAACCTCCTC (SEQ ID NO: 12)

FIG. 11

	Name	Company	Cat. No.	Application	Final conc.
MBCD	Methyl beta Cyclodextrin	SIGMA	C4555	Cell culture	10µM
Disulfiran	GasderminD	Cayman Chemical	15303	Cell culture	1-100 µM
Necrosulfonamide (NSA)	MLKL inhibitor	Cayman Chemical	20844	Cell culture	1-10µM
Nec-1s	RIPK1 inhibitor	Cayman Chemical	20924	Cell culture	33µM
Nec-1	RIPK1 inhibitor	Cayman Chemical	11658	Cell culture	33µM
Nec-2	RIPK1 inhibitor	Cayman Chemical	11657	Cell culture	33µM
Nec-5	RIPK1 inhibitor	Cayman Chemical	10527	Cell culture	33µM
Nec-7	Necroptosis inhibitor	Cayman Chemical	10528	Cell culture Mouse	13mM
Trolox	Anti-oxidant	Cayman Chemical	10011659	Cell culture	200µM
NAC	Anti-oxidant	SIGMA	A8199	Cell culture	2mM
L-Cys	Anti-oxidant	SIGMA	C7880	Cell culture	1mM
L-Ascorbic (VitC)	Anti-oxidant	Cayman Chemical	14656	Cell culture	1mM
H2O2	Pro-oxidant	SIGMA	470226-998	Cell culture	0.1-1mM
BHA	Anti-oxidant	SIGMA	W218308	Cell culture	1mM
3,4',5-Trismethoxy Benzophenone (TMB)	Anti-oxidant	Cayman Chemical	70450	Cell culture	10ug/ml
KIRA6	IRE1α inhibitor	Cayman Chemical	19151	Cell culture Mouse	5µM 2mM
IRE3 (KIRA3)	IRE1α inhibitor	Xcess Biosciences.	M60167-2s	Cell culture	20µM
4µ8C	IRE1α inhibitor	Cayman Chemical	22110	Cell culture	20µM
MKC3946	IRE1α inhibitor	Cayman Chemical	19152	Cell culture	25µM
STF083010	IRE1α inhibitor	Cayman Chemical	17370	Cell culture	1µM
APY29	IRE1α inhibitor	Tocris Bioscience	4865	Cell culture	50µM
Ioyocamycin	IRE1α inhibitor	Cayman Chemical	17371	Cell culture	5µM
Sunitinib	IRE1α inhibitor	Cayman Chemical	13159	Cell culture	5µM
ZVad (Q-VD-OPH)	pan caspase inhibitor	Cayman Chemical	15260	Cell culture	50µM
Deferoxamine (DFO)	Ferroptosis	Cayman Chemical	14595	Cell culture	25-200 µM
GSK'840	RIPK3	AOBIOUS	AOB0917	Cell culture	10 µM
GSK'843	RIPK3	SIGMA	SML2001	Cell culture	10 µM
GSK'872	RIPK3	AOBIOUS	AOB4898	Cell culture	10 µM
LLO	Inducer LMP	Cayman Chemical	16008	Cell culture	0.5-2 mM
Arimoclomol	Inhibitor LMP	Medkoo	326988	Cell culture	100 µM

FIG. 12

SUBSTITUTE SHEET (RULE 26)

Target	Clone	Company	Cat. No.	Application	Dilution/WB	Dilution/IF
ZO-1		Invitrogen		IF		1:100
Phalloidin		Biotium	0052	Actin probe		1:50
IBA-1		Millipore	MABN92	IF		1:200
Rhodopsin		Abcam	Ab3267	IF		1:200
CellRox		ThermoFisher	C10422	ROS probe		1:500
Lamp1	H4A3	DSHB	H4A3	IF		1:100
p-MLKL	EPR9514	Abcam	Ab187091(H)	IF		1:250
p-MLKL	EPR9515	Abcam	Ab196436(M)	IF		1:250
β -Actin	13E5	Cell Signaling	4970	WB	1:10,000	
MLKL	D216N	Cell Signaling	14993	WB	1:300	
MLKL	3H1	Millipore	MABC604	IP	1:40	
CD11b	H5A45	DSHB	H5A45	IF		1:100

FIG. 13

FIG. 14

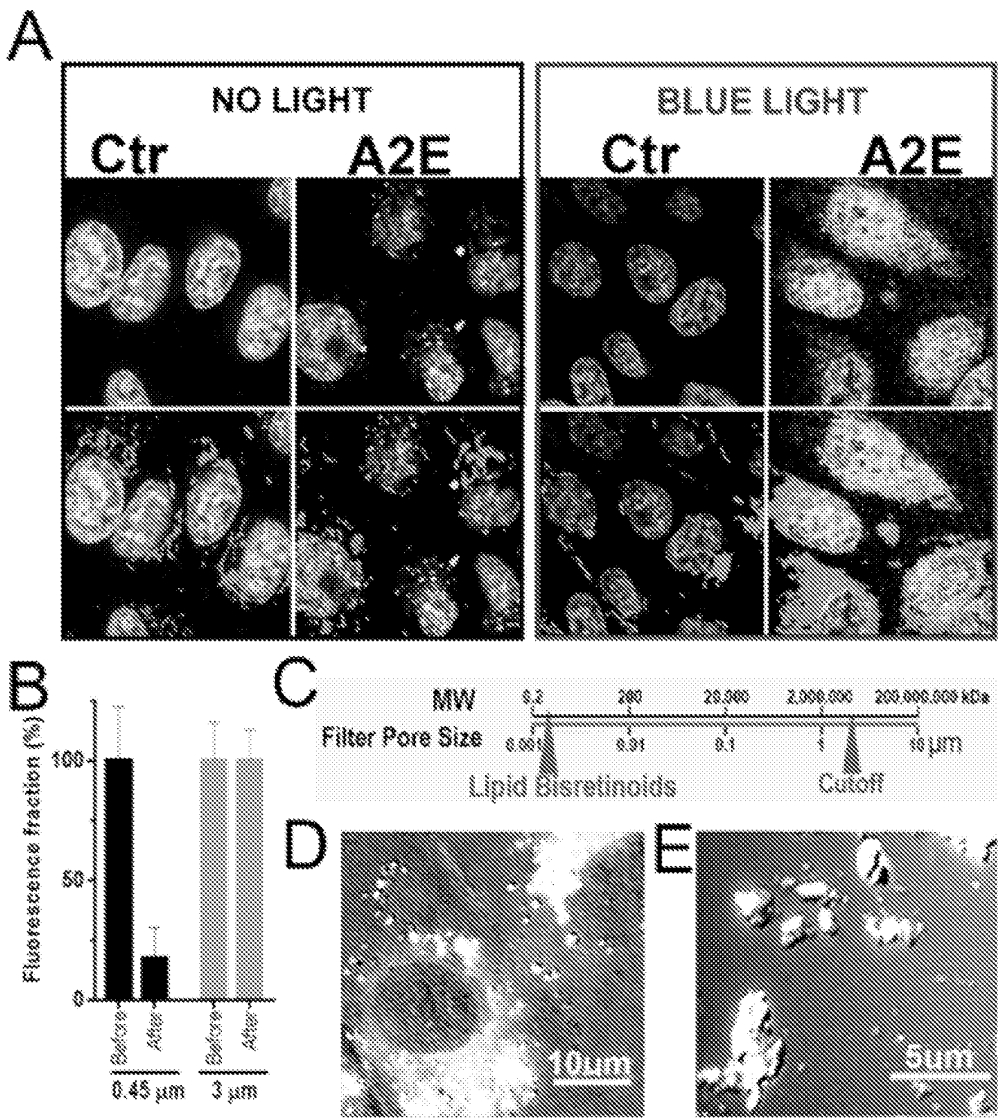


FIG. 14 (contd.)

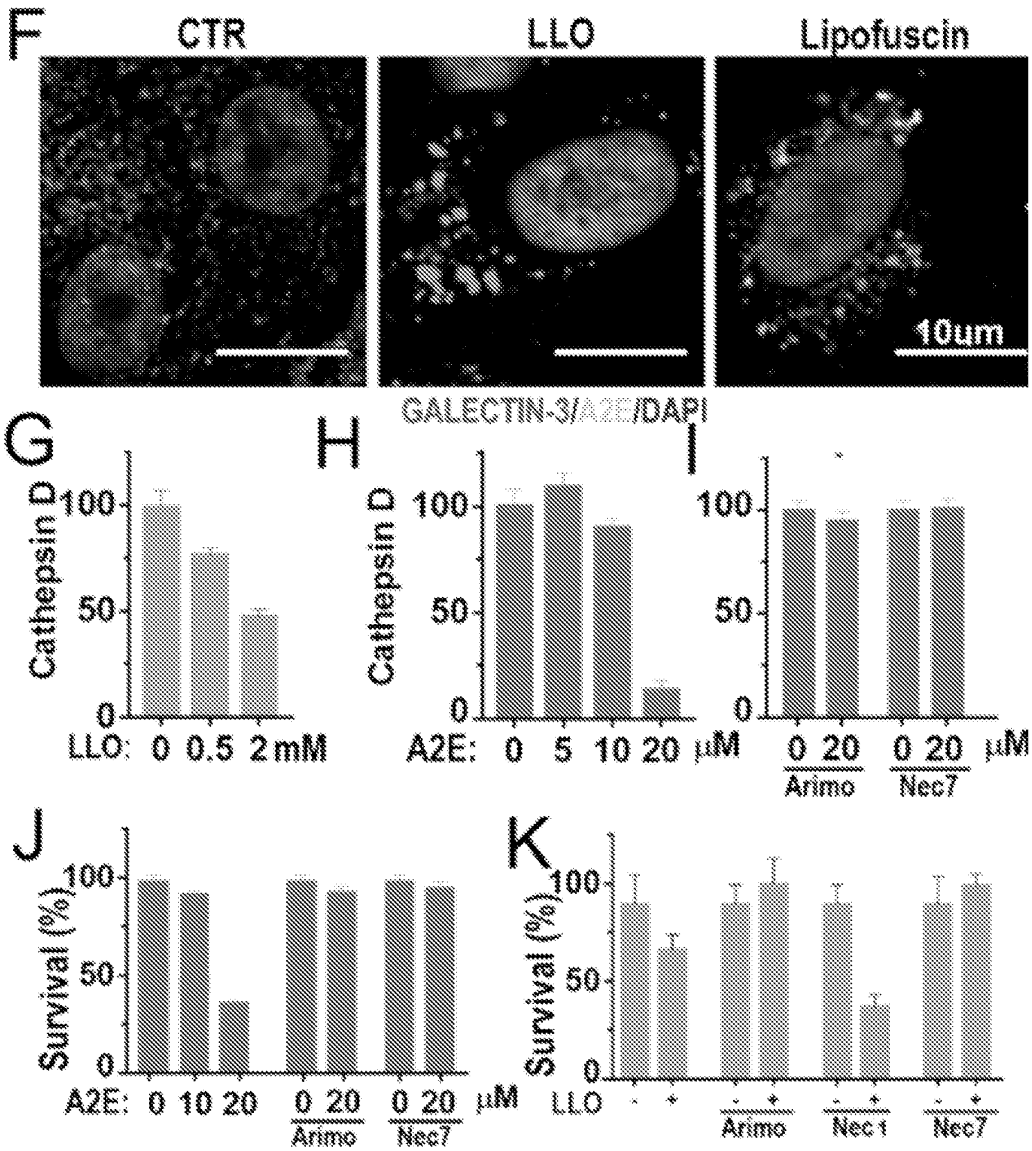


FIG. 15

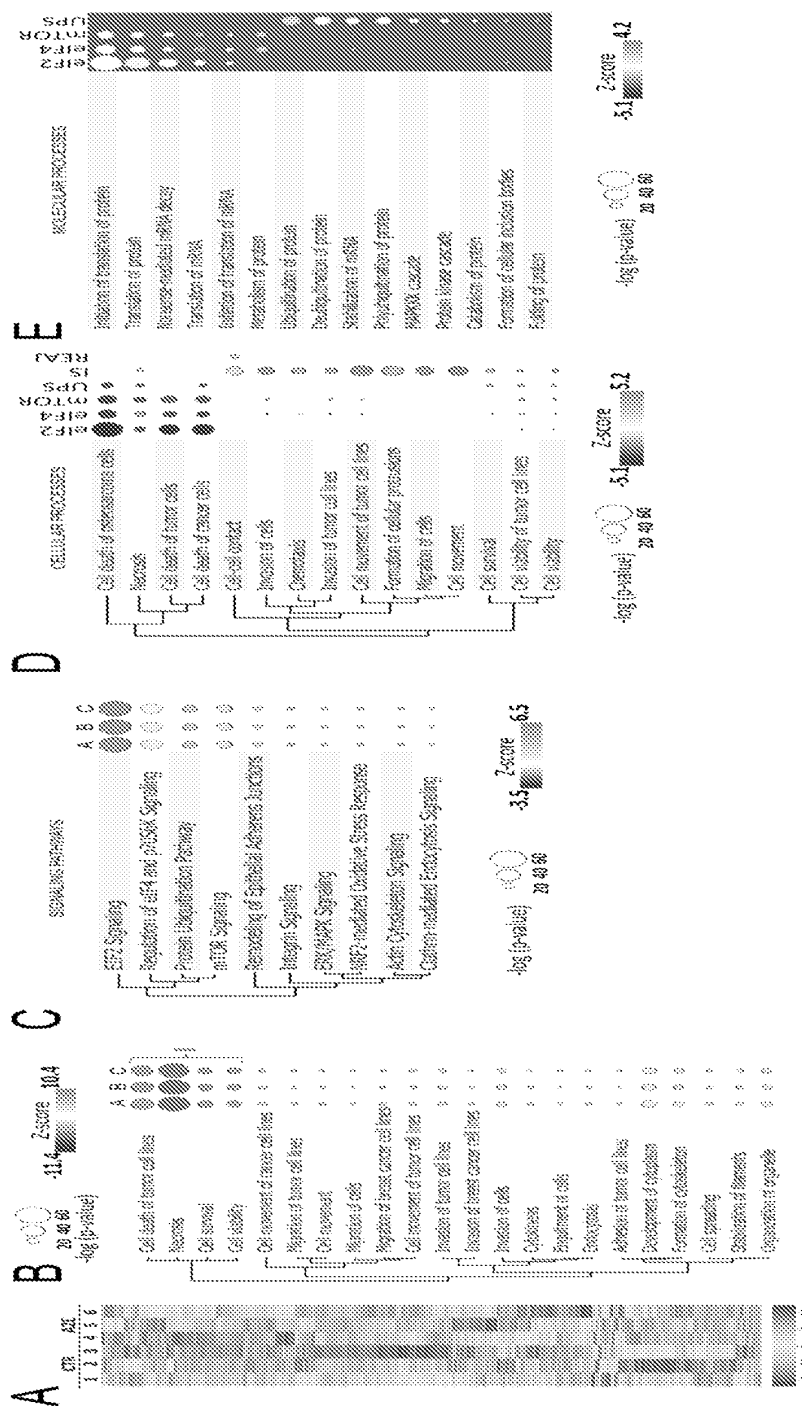


FIG. 17

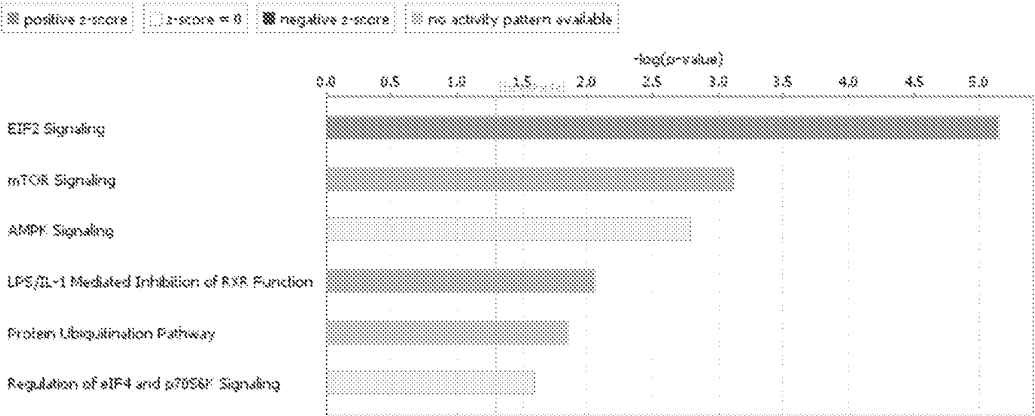


FIG. 18

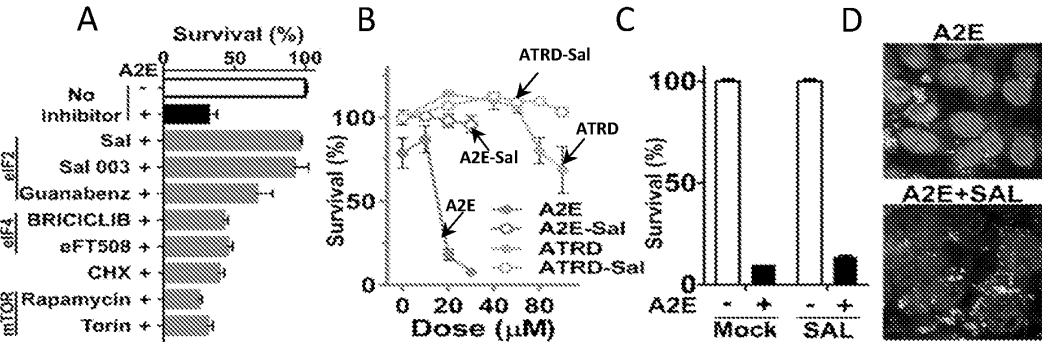


FIG. 19

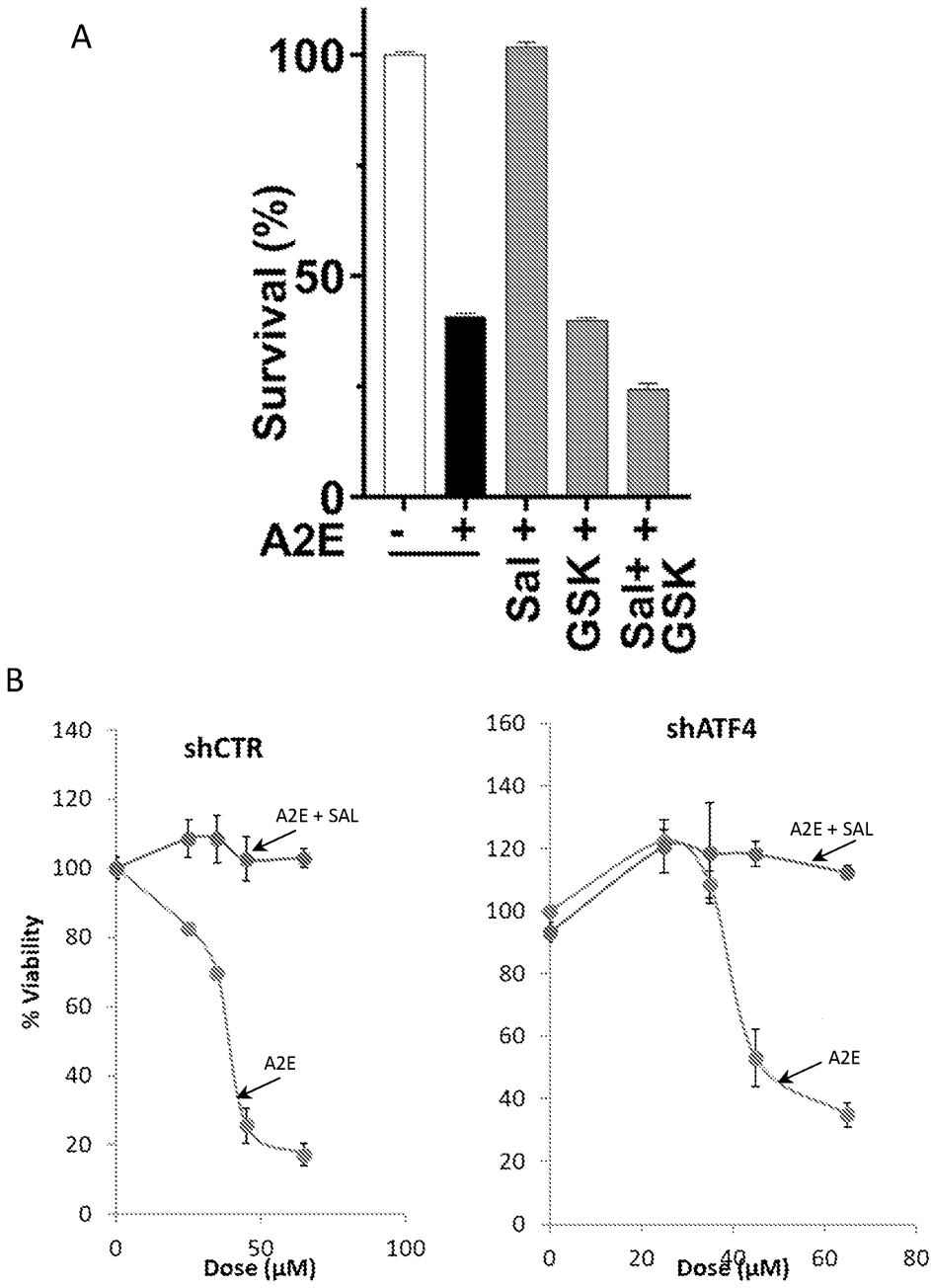


FIG. 20

