Fig. 2

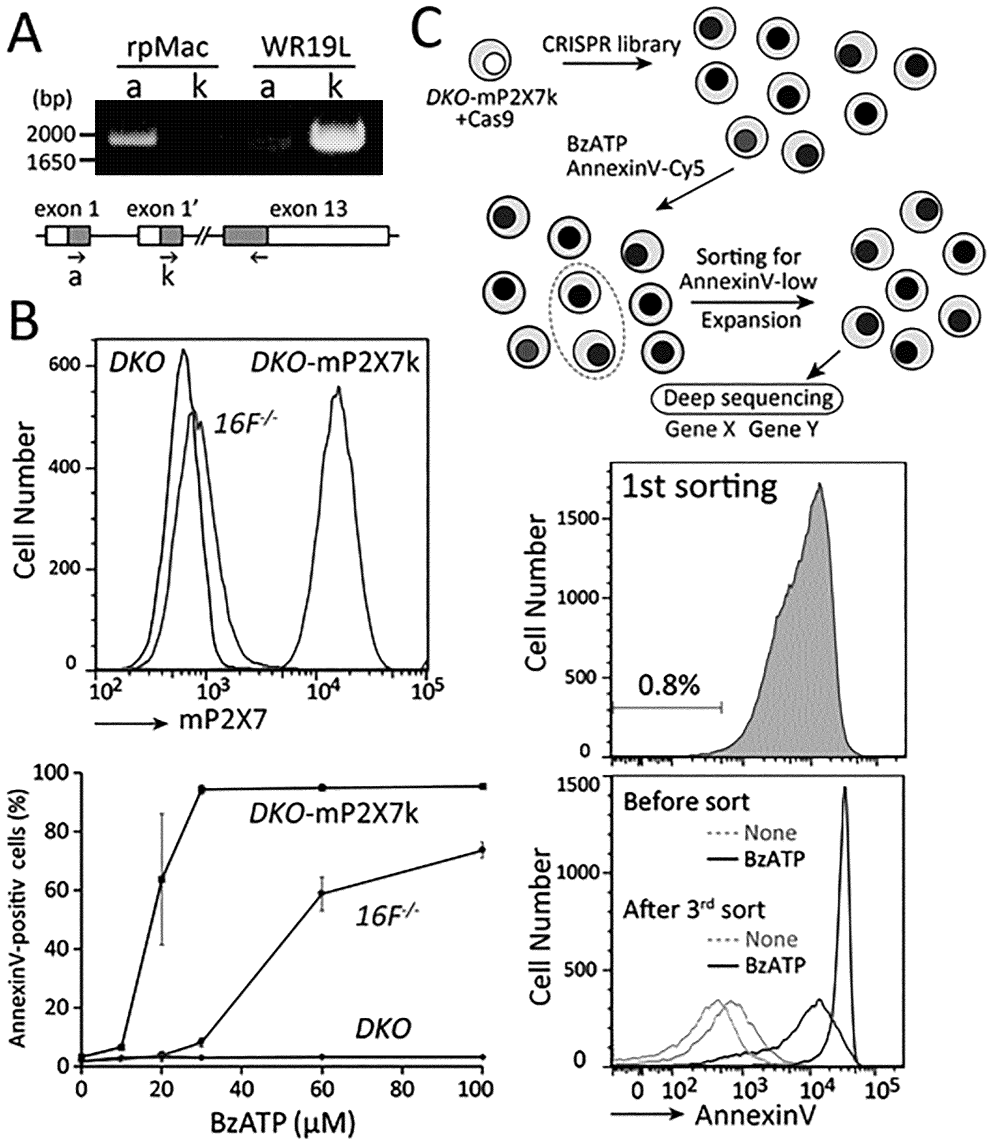

A
rpMac
WR19L
a
k
a
k
(bp)
2000
1650
exon 1
exon 1'
exon 13
a
k
B
DKO
DKO-mP2X7k
16F-/-
Cell Number
mP2X7
AnnexinV-positiv cells (%)
DKO-mP2X7k
16F-/-
DKO
BzATP (μM)
C
DKO-mP2X7k
+Cas9
CRISPR library
BzATP
AnnexinV-Cy5
Sorting for
AnnexinV-low
Expansion
Deep sequencing
Gene X Gene Y
1st sorting
Cell Number
0.8%
Before sort
None
BzATP
After 3rd sort
None
BzATP
Cell Number
AnnexinV

Fig. 3

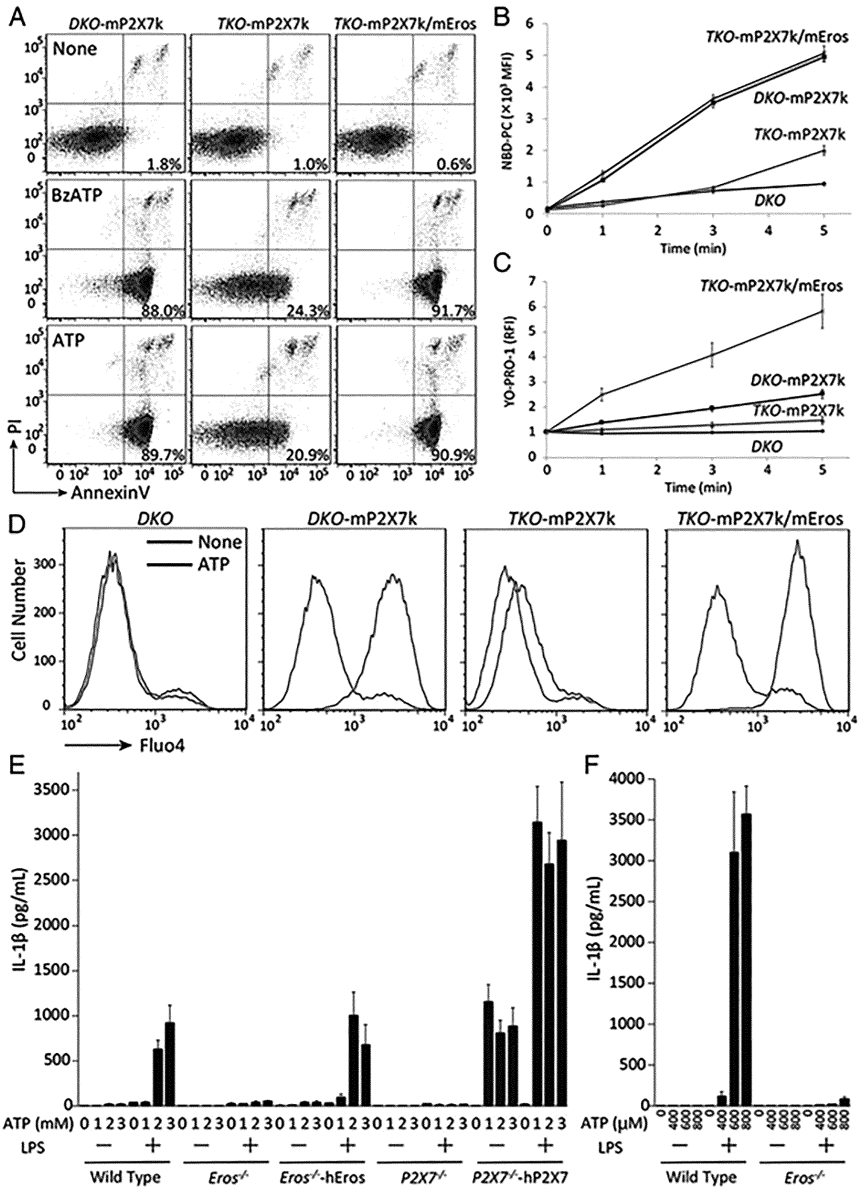
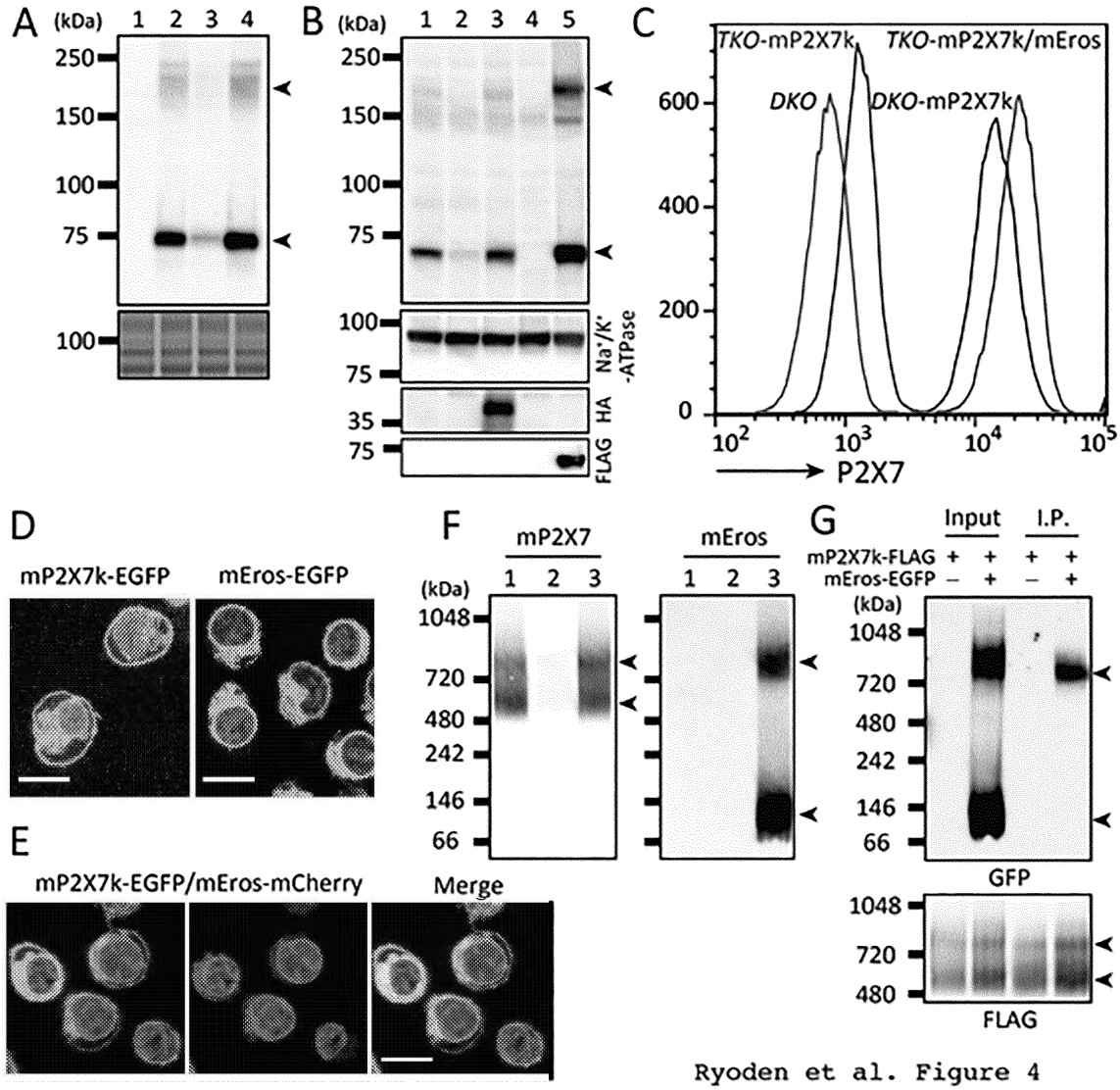

A
DKO-mP2X7k
TKO-mP2X7k
TKO-mP2X7k/mEros
None
BzATP
ATP
1.8%
1.0%
0.6%
88.0%
24.3%
91.7%
89.7%
20.9%
90.9%
PI
AnnexinV
B
NBD-PC (X10³ MFI)
Time (min)
C
YO-PRO-1 (RFI)
Time (min)
D
Cell Number
None
ATP
Fluo4
E
IL-1β (pg/mL)
ATP (mM)
LPS
Wild Type
Eros-/-
Eros-/--hEros
P2X7-/-
P2X7-/--hP2X7
F
IL-1β (pg/mL)
ATP (μM)
LPS
Wild Type
Eros-/-

Fig. 4



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