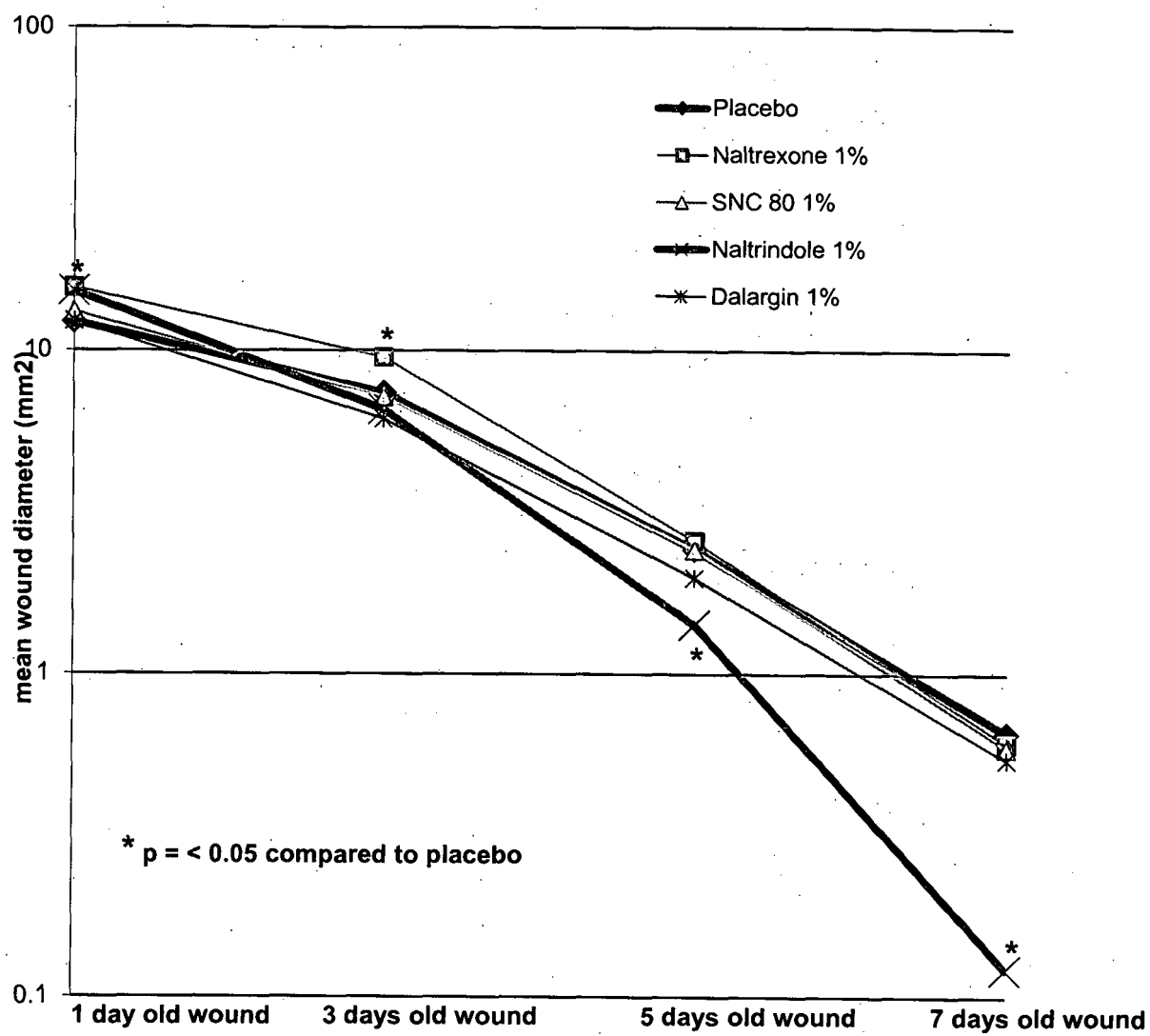


Fig. 1

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Fig. 2

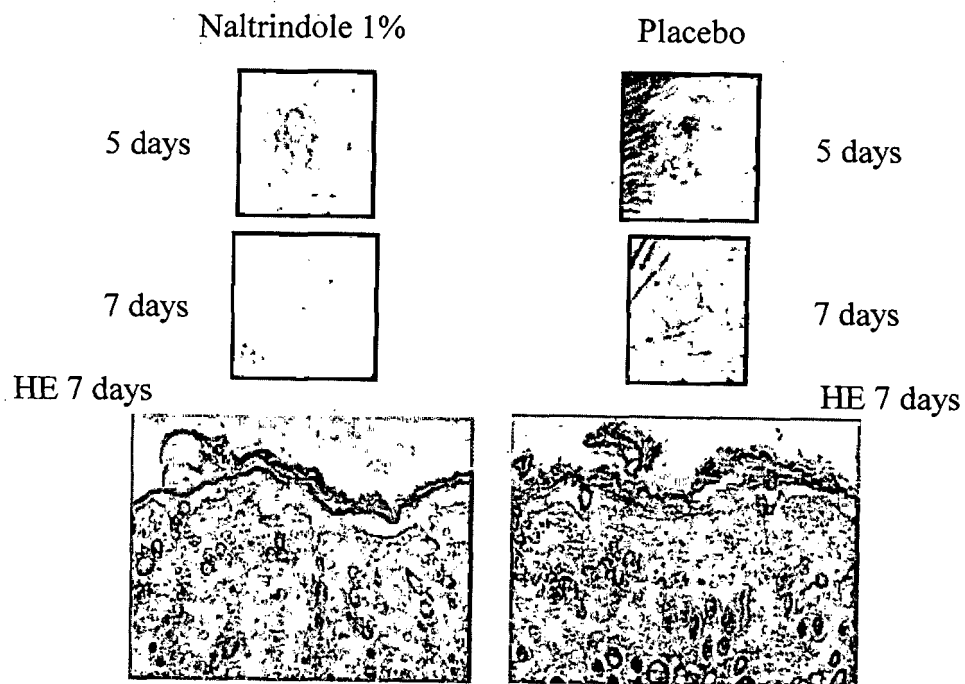
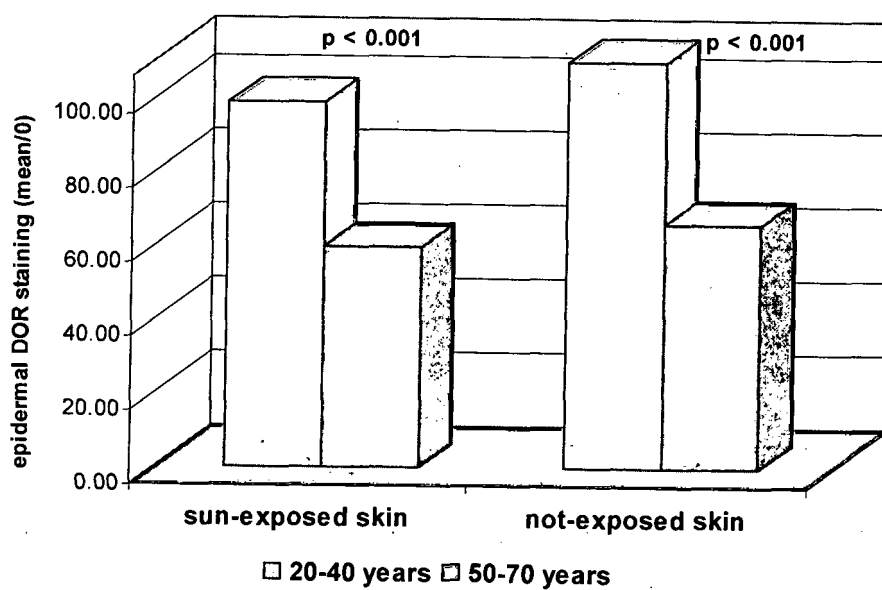


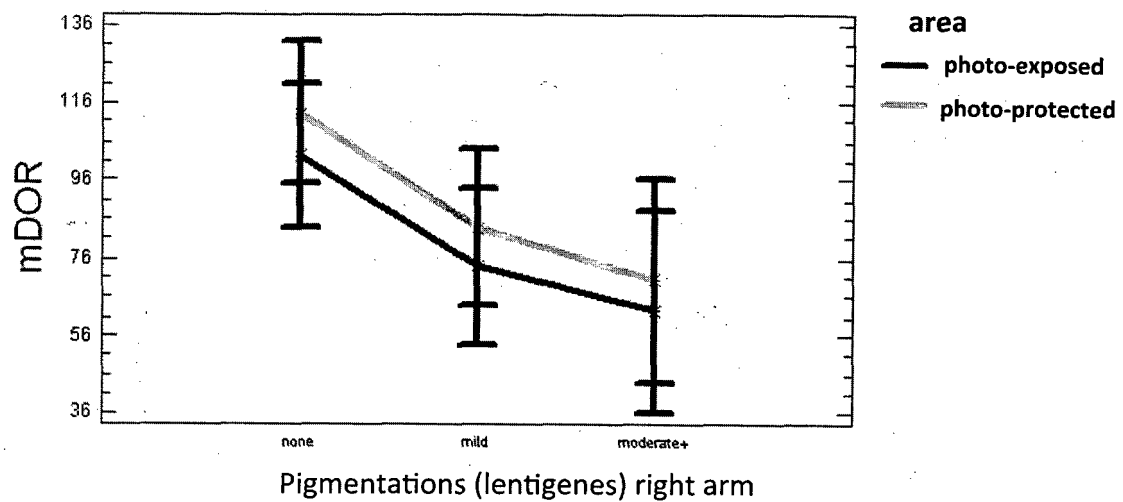
Fig. 3



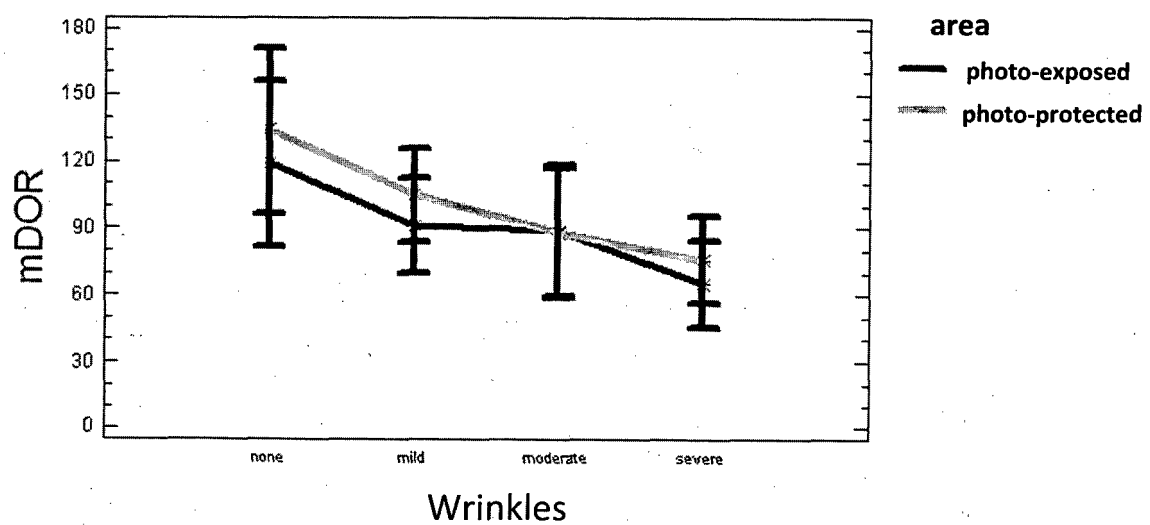
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Fig. 4

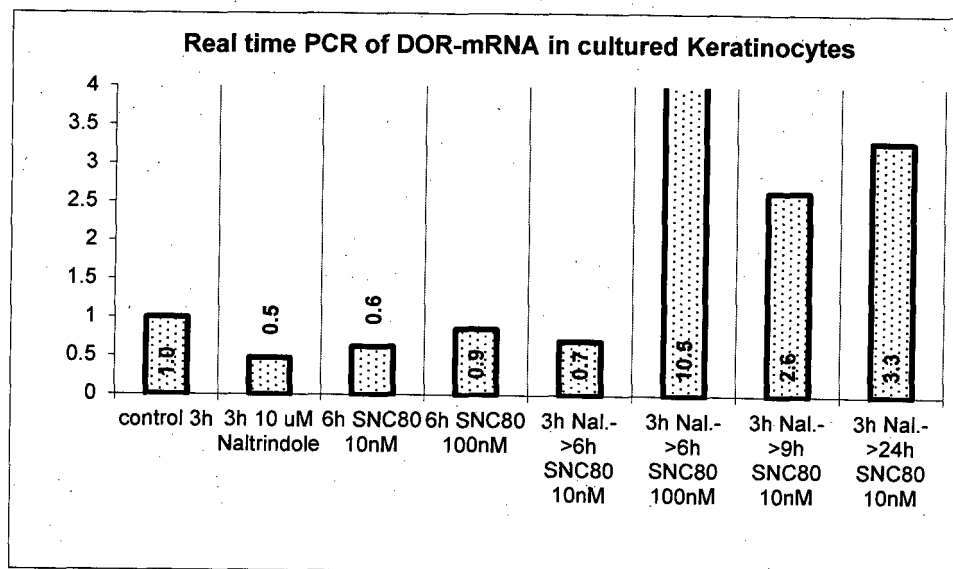
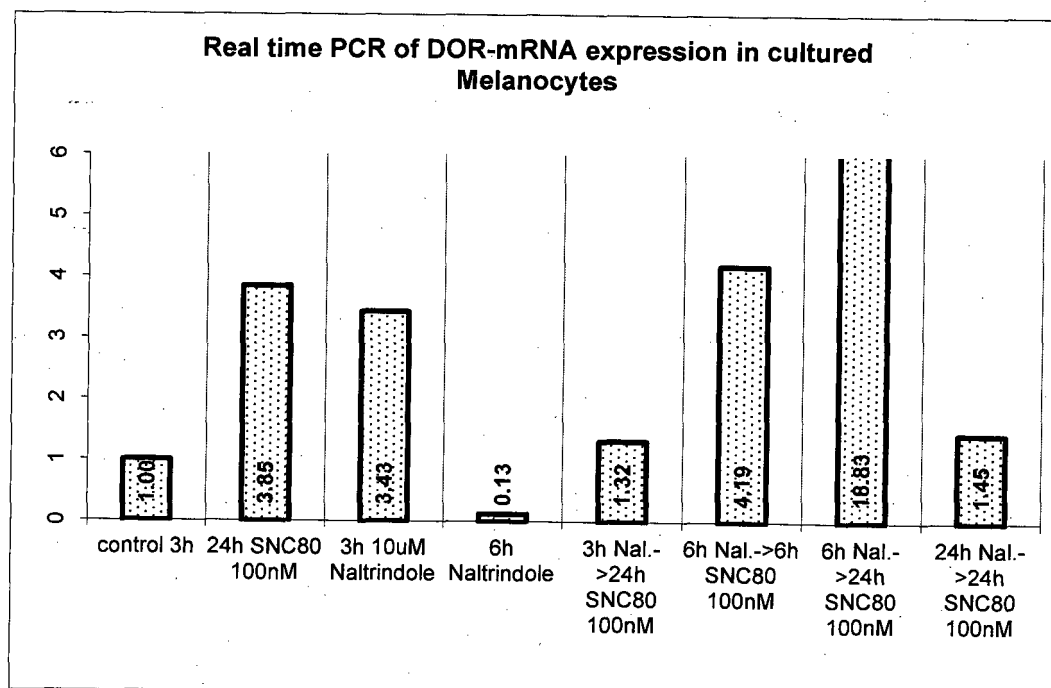
Interactions and confidence interval 95%

*Fig. 5*

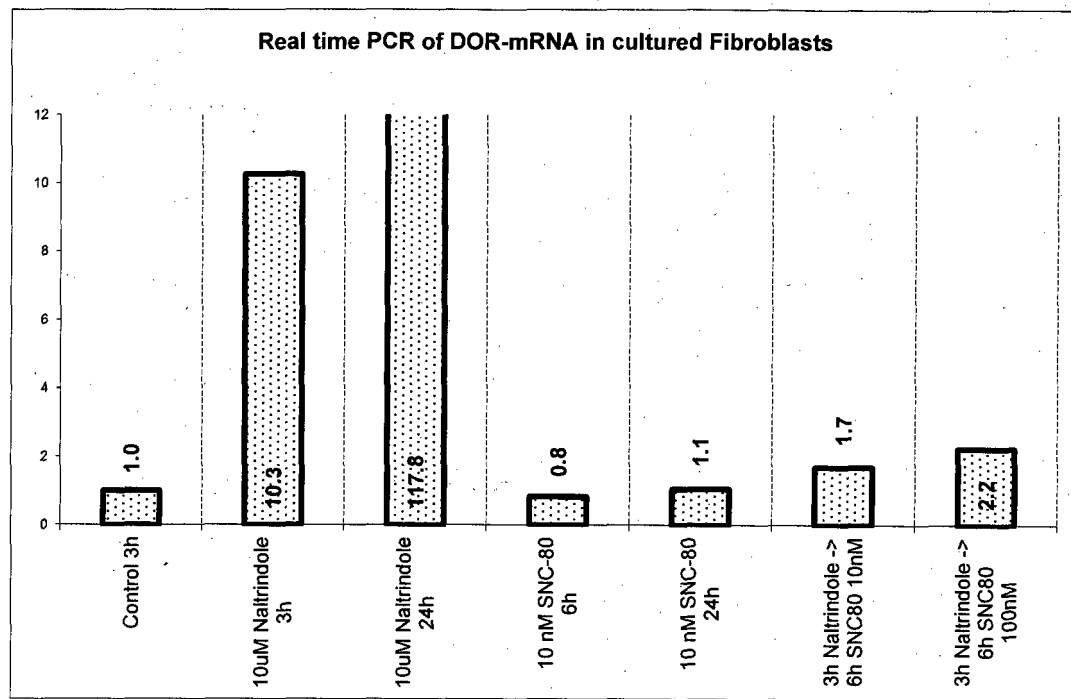
Interactions and confidence interval 95%



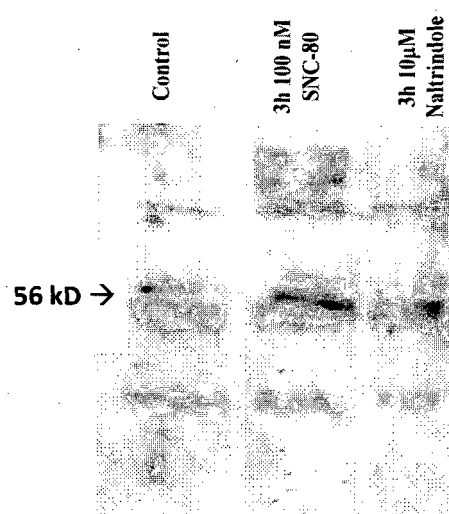
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Fig. 6*Fig. 7*

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Fig. 8*Fig. 9*

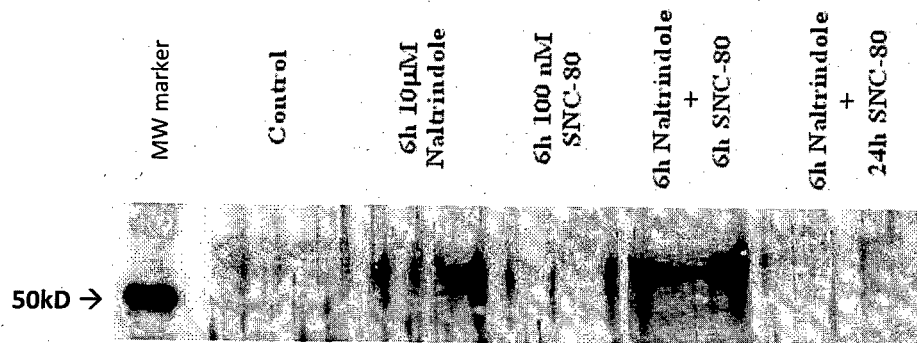
Western-Blot (DOR) with human cultured keratinocytes



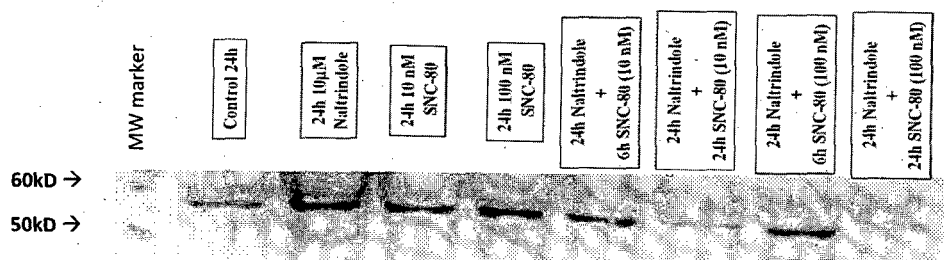
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Fig. 10

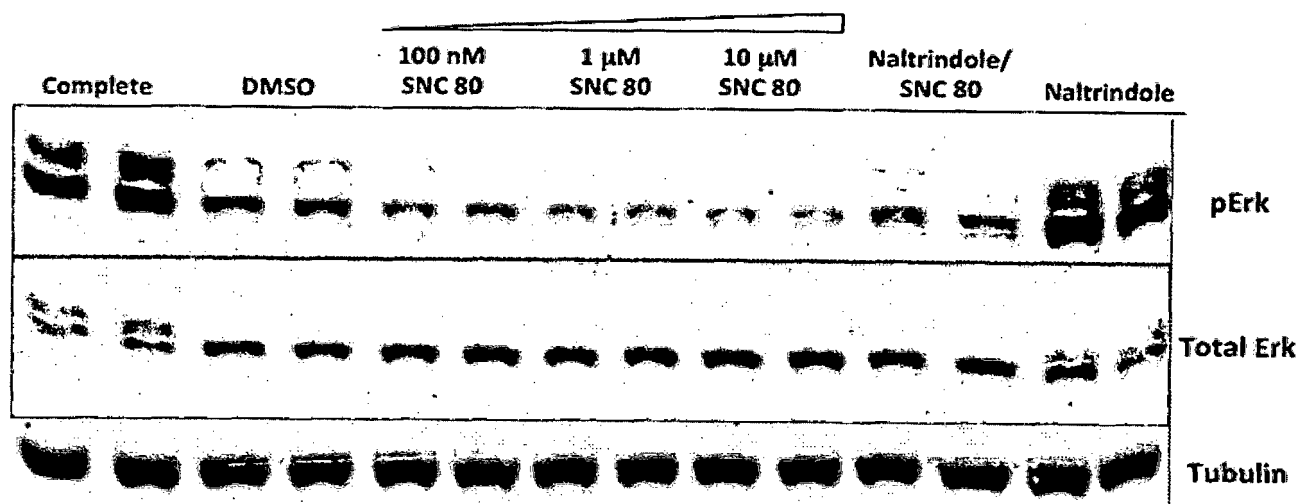
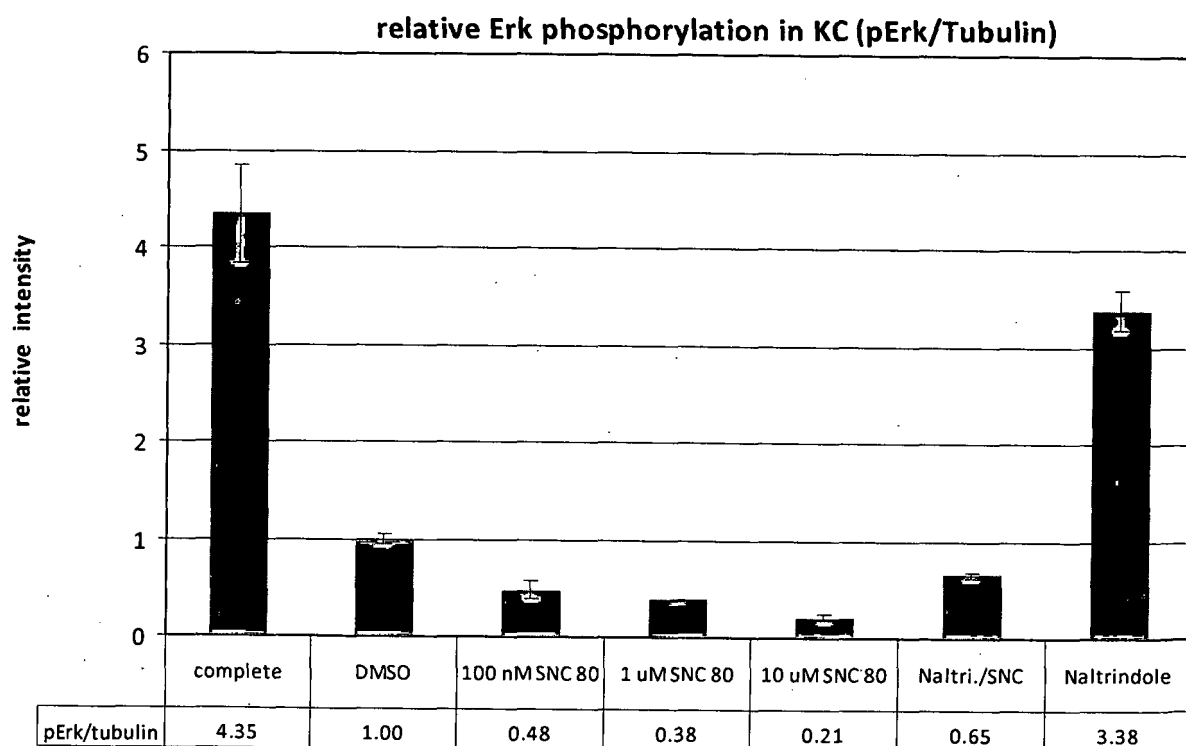
Western-Blot (DOR) with human cultured melanocytes

**Fig. 11**

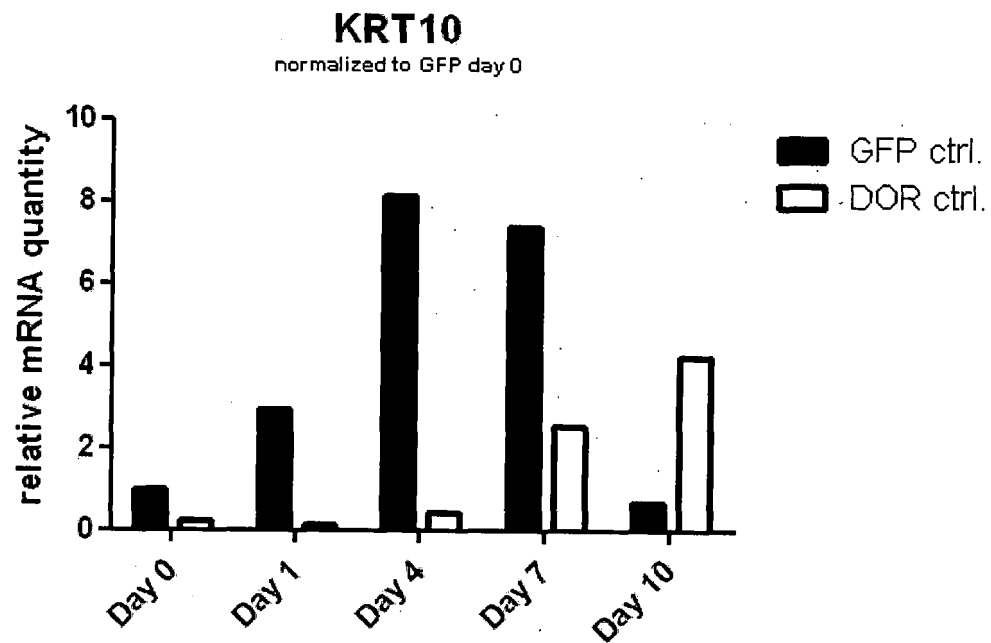
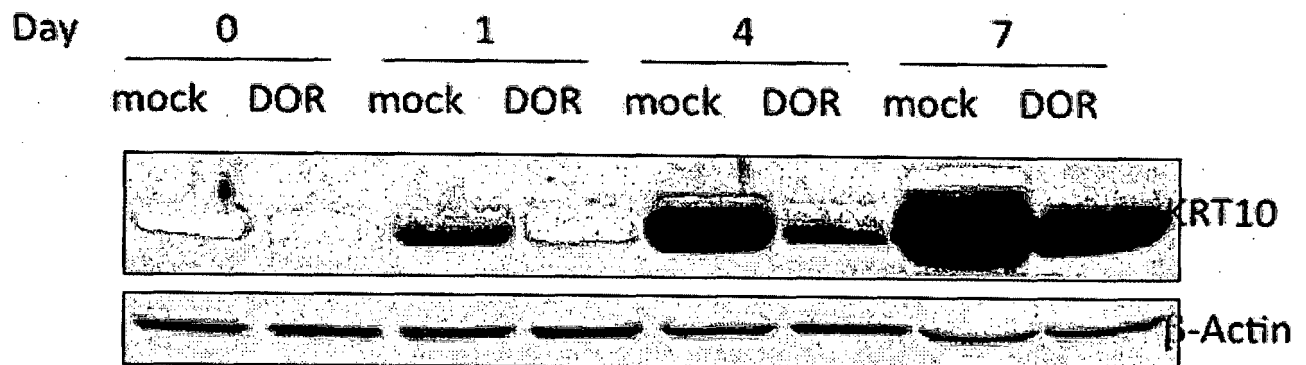
Western-Blot (DOR) with human cultured fibroblasts



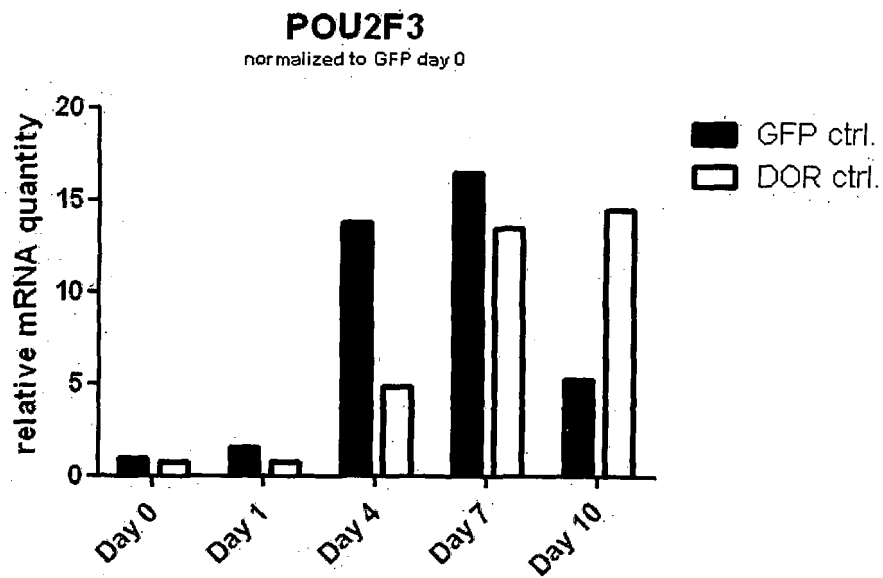
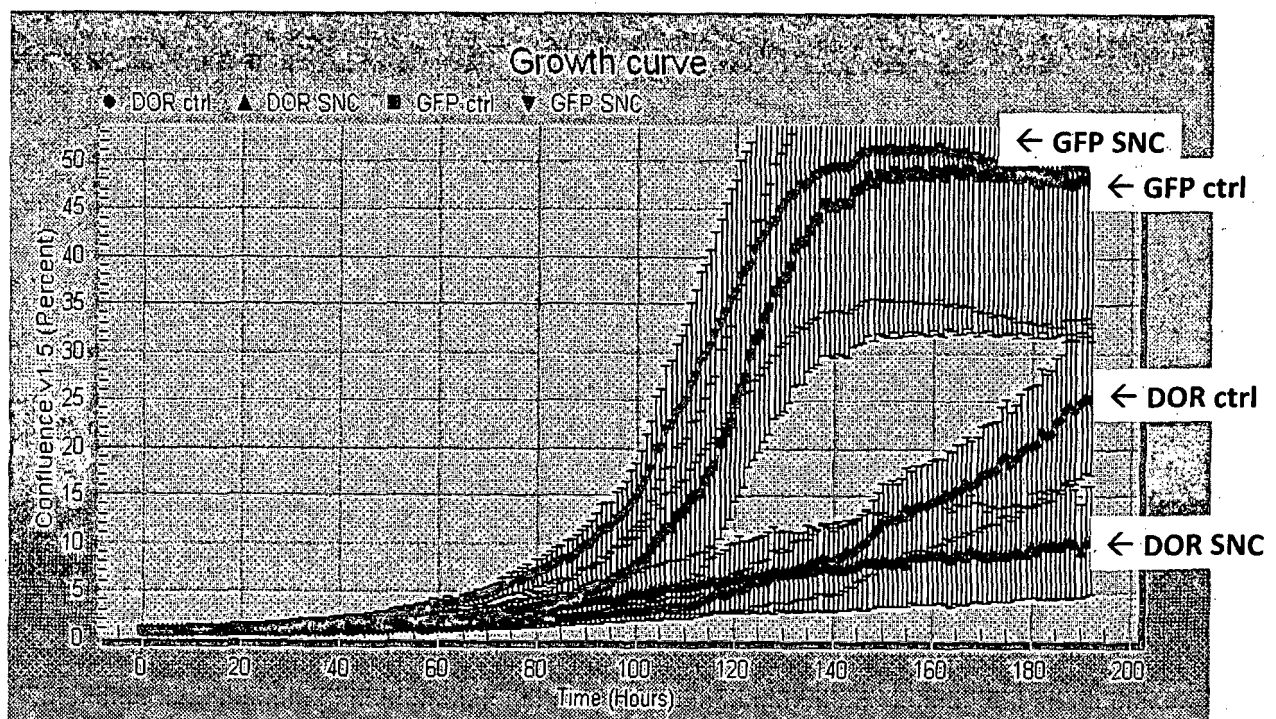
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Fig. 12a*Fig. 12b*

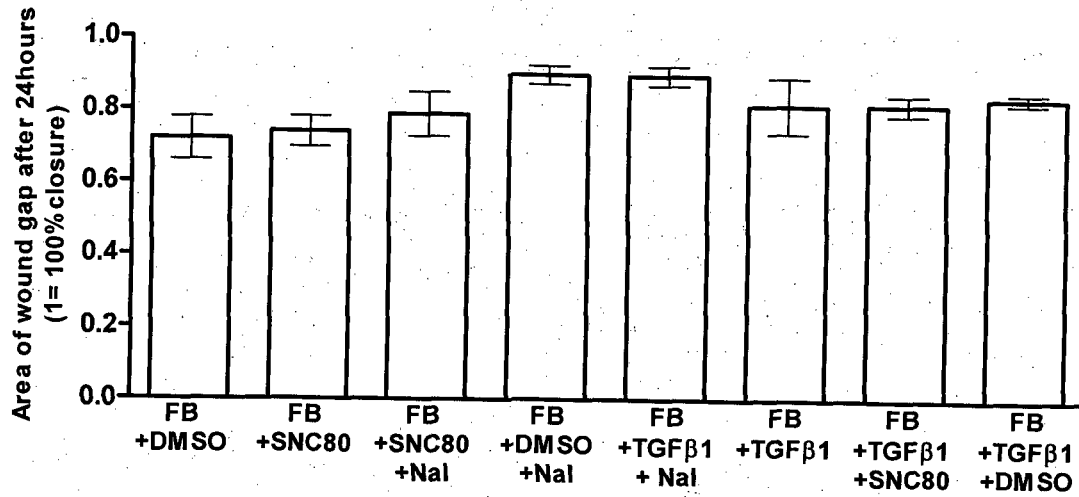
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Fig. 13a*Fig. 13b*

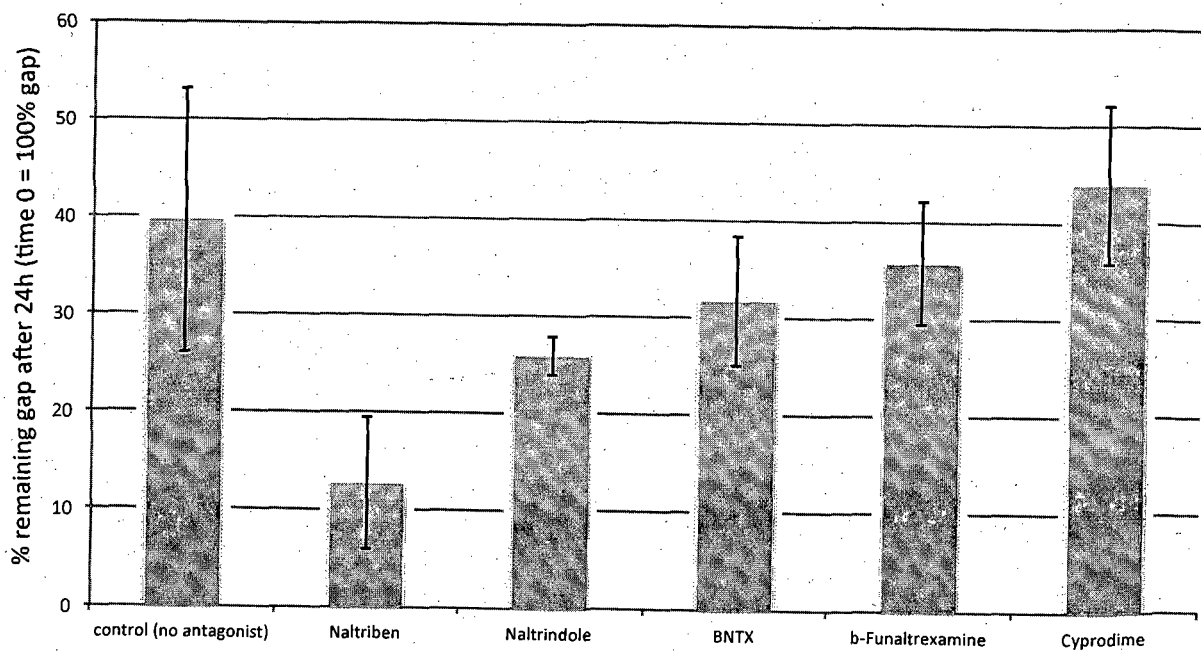
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Fig. 14*Fig. 15*

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Fig. 16a*Fig. 16b*

Migration of human cultured primary fibroblasts with various opioid antagonists



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Fig. 17

Organotypic culture with OR overexpression

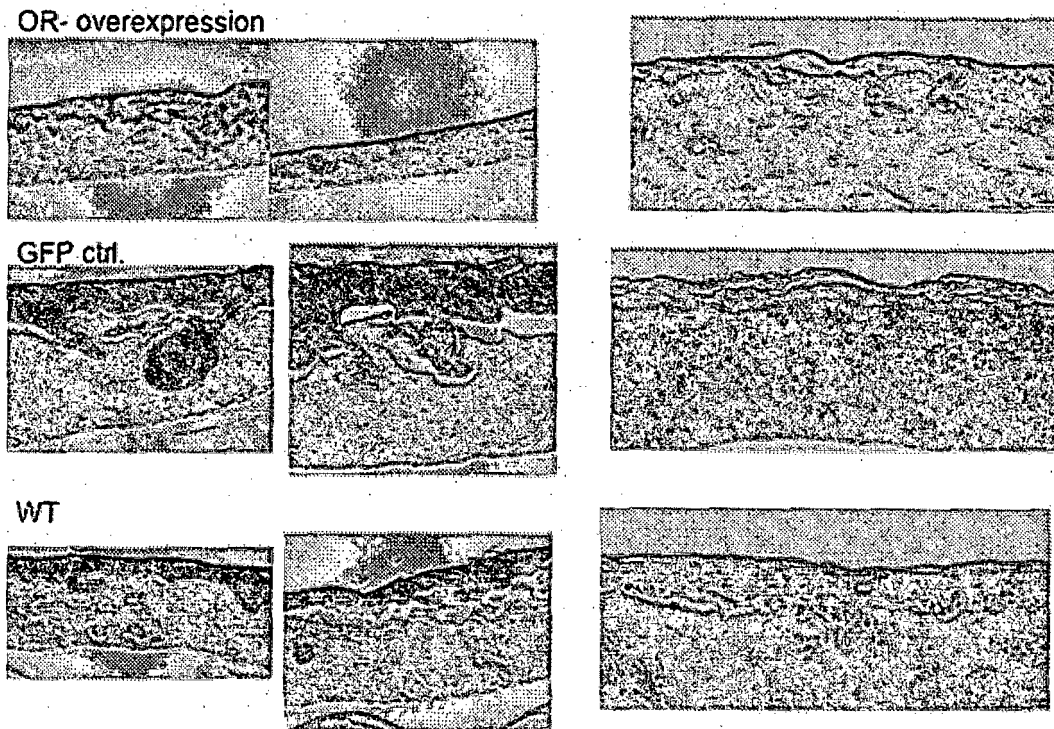
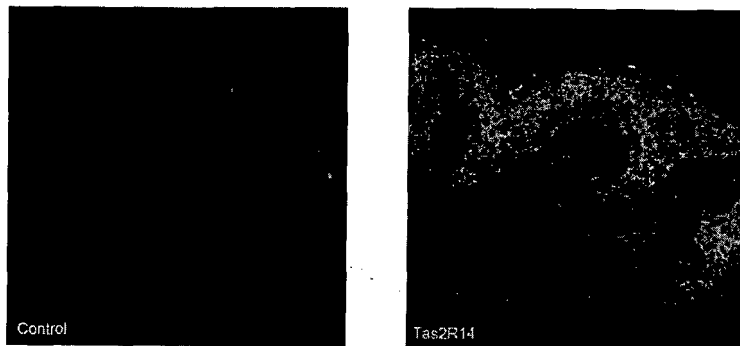
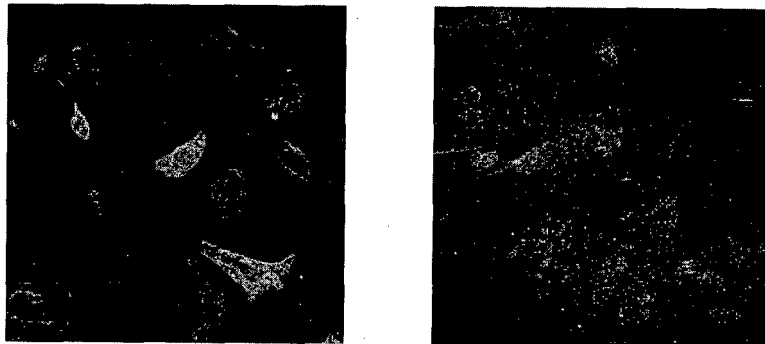
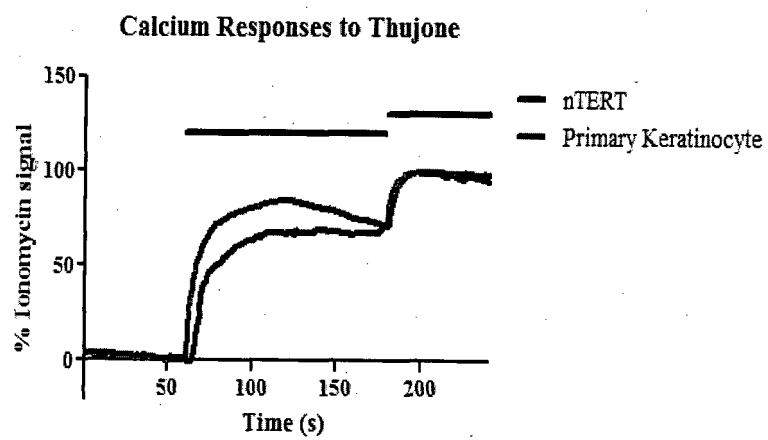


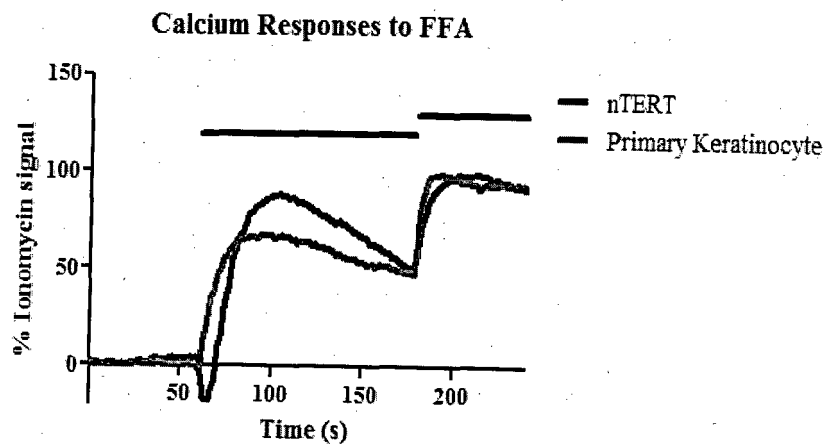
Fig. 18

0.390912667	1.311222637	OR2T4	olfactory receptor, family 2, subfamily T, member 4	1q44	Homo sapiens olfactory receptor, family 2, subfamily T, member 4 (OR2T4), mRNA.
0.362227	1.285408573	TAS2R14	taste receptor, type 2, member 14	12p13	Homo sapiens taste receptor, type 2, member 14 (TAS2R14), mRNA.
-0.19619	-1.14566877	KRT1	keratin 1	12q12-q13	Homo sapiens keratin 1 (KRT1), mRNA.
-0.300063333	-1.231198461	KRT10	keratin 10	17q21	Homo sapiens keratin 10 (KRT10), mRNA.
0.31677	1.245538831	TAS2R10	taste receptor, type 2, member 10	12p13	Homo sapiens taste receptor, type 2, member 10 (TAS2R10), mRNA.
-0.565640667	-1.480044616	OR5H14	olfactory receptor, family 5, subfamily H, member 14	3q12.1	Olfactory receptor 5H14 gene: ENSG00000187900
0.300343333	1.231437437	OR10J1	olfactory receptor, family 10, subfamily J, member 1	1q23.2	Homo sapiens olfactory receptor, family 10, subfamily J, member 1 (OR10J1), mRNA.
-0.226569667	-1.170049582	OR5H2	olfactory receptor, family 5, subfamily H, member 2	3q12.1	Homo sapiens olfactory receptor, family 5, subfamily H, member 2 (OR5H2), mRNA.
0.731628	1.660511829	OR2J3	olfactory receptor, family 2, subfamily J, member 3	6p22.1	Homo sapiens olfactory receptor, family 2, subfamily J, member 3 (OR2J3), mRNA.
0.374194333	1.296115543	OR1C1	olfactory receptor, family 1, subfamily C, member 1	1q44	Homo sapiens olfactory receptor, family 1, subfamily C, member 1 (OR1C1), mRNA.
0.275452	1.210373243	OR6C2	olfactory receptor, family 6, subfamily C, member 2	12q13.2	Homo sapiens olfactory receptor, family 6, subfamily C, member 2 (OR6C2), mRNA.
0.257743667	1.195607346	OR14C36	olfactory receptor, family 14, subfamily C, member 36	1q44	Homo sapiens olfactory receptor, family 14, subfamily C, member 36 (OR14C36), mRNA.
-0.174173667	-1.128317952	OR2H1	olfactory receptor, family 2, subfamily H, member 1	6p21.3	Homo sapiens olfactory receptor, family 2, subfamily H, member 1 (OR2H1), mRNA.
0.202180333	1.150435686	OR4D10	olfactory receptor, family 4, subfamily D, member 10	11q12.1	Homo sapiens olfactory receptor, family 4, subfamily D, member 10 (OR4D10), mRNA.
0.184289667	1.136257381	OR4X2	olfactory receptor, family 4, subfamily X, member 2	11p11.2	Homo sapiens olfactory receptor, family 4, subfamily X, member 2 (OR4X2), mRNA.
-0.16741	-1.123040534	OR10H5	olfactory receptor, family 10, subfamily H, member 5	19p13.12	Homo sapiens olfactory receptor, family 10, subfamily H, member 5 (OR10H5), mRNA.
-0.279903	-1.21411325	OR10G3	olfactory receptor, family 10, subfamily G, member 3	14q11.2	Homo sapiens olfactory receptor, family 10, subfamily G, member 3 (OR10G3), mRNA.

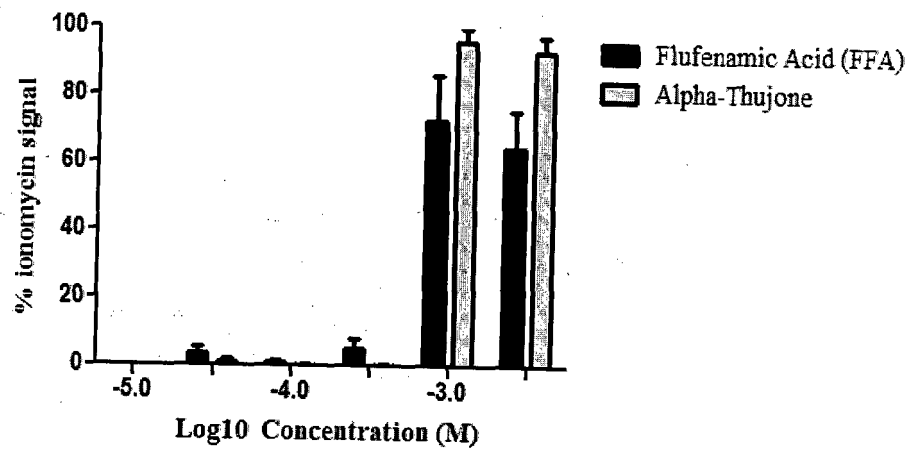
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Fig. 19a*Fig. 19b**Fig. 20a*

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Fig. 20b*Fig. 21a*

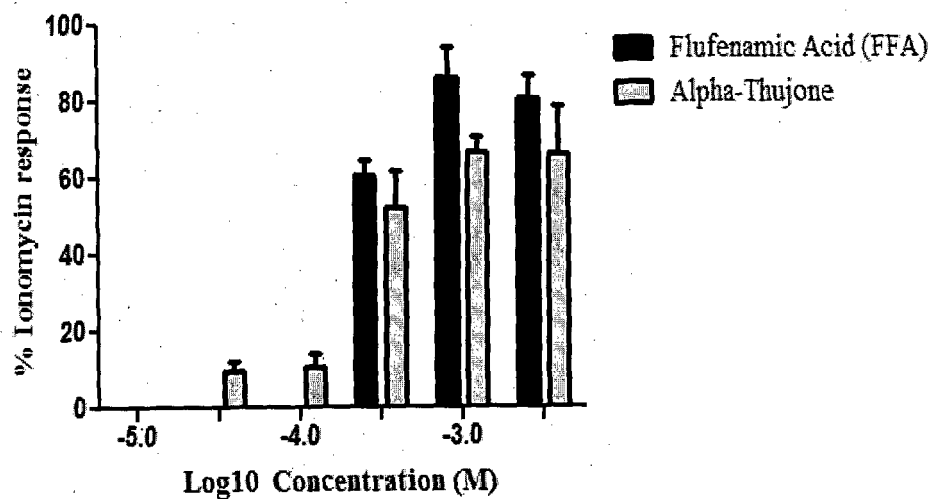
C/R profiles for Thujone and FFA in primary keratinocytes



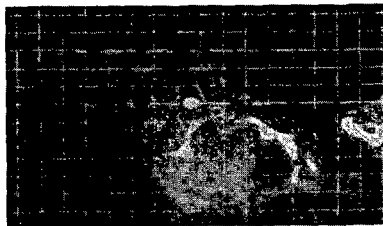
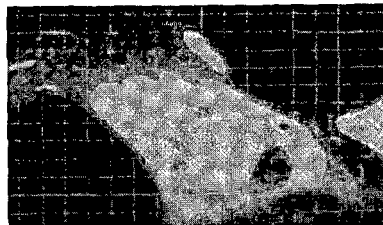
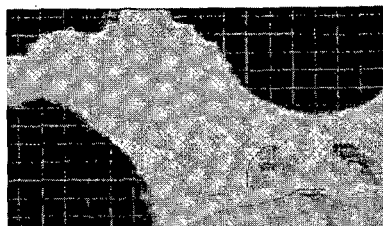
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Fig. 21b

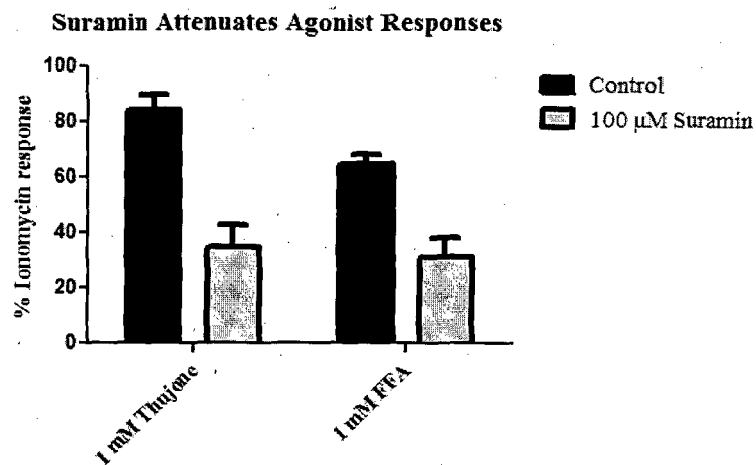
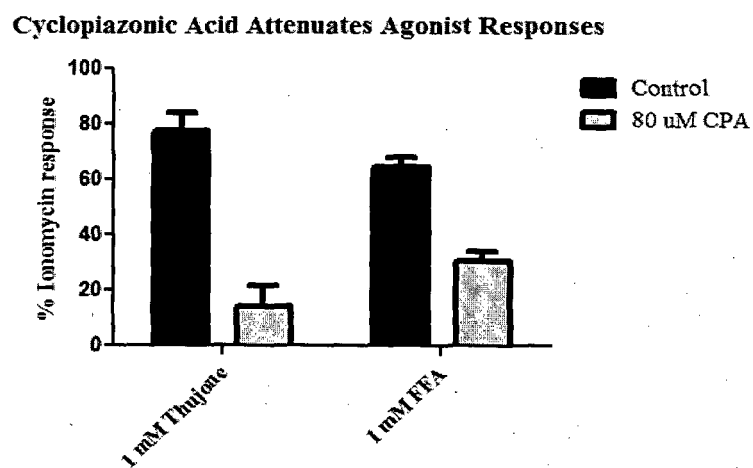
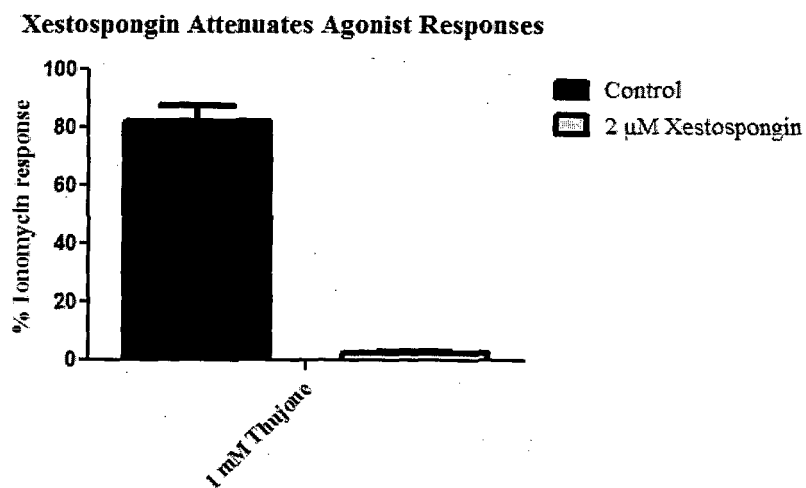
C/R profiles for Thujone and FFA in nTERT cells

*Fig. 21c*

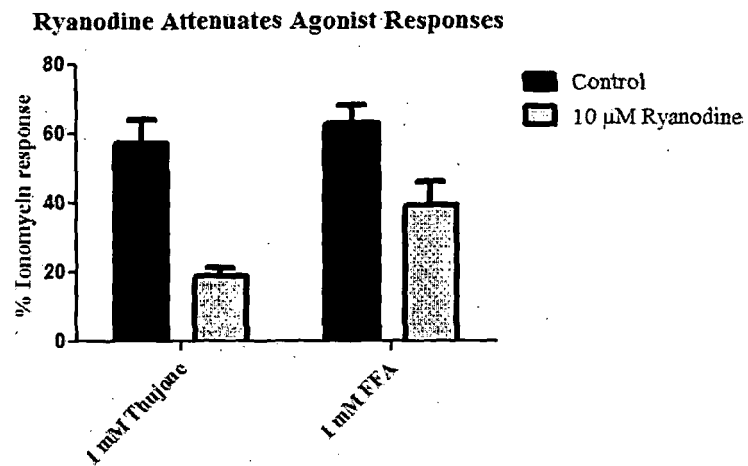
Control

1 mM α -Thujone1 μ M Ionomycin

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Fig. 22a*Fig. 22b**Fig. 22c*

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Fig. 22d*Fig. 22e*