

SUPPLEMENT

Impact of Administration Time and Kv7 Subchannels on the Cardioprotective Efficacy of Kv7 Channel Inhibition

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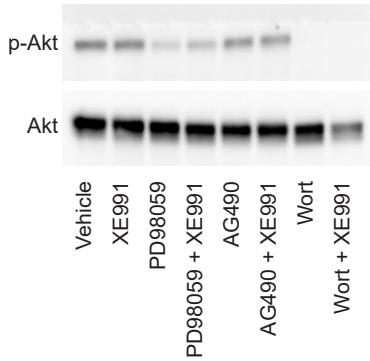
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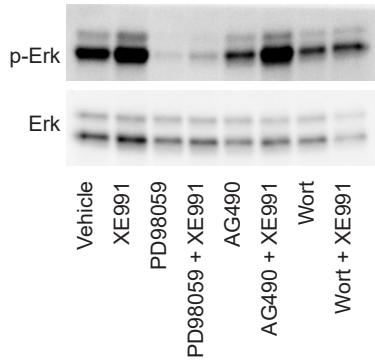
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Figure s1

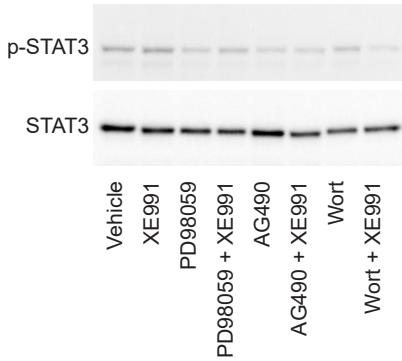
A



B



C



Western blot for pAkt and Akt (A), pErk and Erk (B) and pSTAT3 and STAT3 (C). Wortmannin abrogated phosphorylation of Akt (A). PD980529 abrogated phosphorylation of Erk (B) and AG490 diminished phosphorylation of STAT3. Data are quantified in Fig. 4 D-F.

Table s1. Primer sequences

Species	Gene	Base Pair	Primer sequence (5' → 3')	Annealing temperatures used for RT-PCR
Rat				
	<i>Kcnq1</i>	105	Forward Reverse	GGCTCTGGGTTGCACTG CATAGCACCTCCATGCAGTC
	<i>Kcnq2</i>	138	Forward Reverse	GCTTCCGTATCAAGGGCG TGCTGACTTGAGGCCAGG
	<i>Kcnq3</i>	126	Forward Reverse	GAATGAACCATAATGTAGCCAGG CATGTCCACGAGGAAGTCCAG
	<i>Kcnq4</i>	85	Forward Reverse	CCCCGCTGCTCTACTGAG ATGACATCATCCACCGTGAG
	<i>Kcnq5</i>	87	Forward Reverse	ACGGCAGAACACGAGACAAC TGGATTCAATGGATTGTACCTG
	<i>B2m</i>	240	Forward Reverse	CTGCTACGTGTCTCAGTCCACCC CATAGAGCTTGATTACATGTCTCG
Mouse/HL-1				
	<i>Kcnq1</i>	105	Forward Reverse	GGCTCTGGGTTCGCGCTG CATAGCACCTCCATGCAGTC
	<i>Kcnq2</i>	138	Forward Reverse	GCTTCCCGCATCAAGGGTG TGCTAACTTGAGGCCAGG
	<i>Kcnq3</i>	126	Forward Reverse	GAATGAACCATAATGTAGCCAGG CATGTCCACGAGGAAGTCCAG
	<i>Kcnq4</i>	85	Forward Reverse	CCTCGCTGCTCTGCTGAG ATGACATCATCCACCGTAAGC
	<i>Kcnq5</i>	122	Forward Reverse	GGACAAATGACGTCAGATAAGAAGAG GGATTGATGGACTGGACCTG
	<i>B2m</i>	240	Forward Reverse	CTGCTACGTAACACAGTCCACCC CATGATGCTTGATCACATGTCTCG

Primer sequences used for RT-PCR in rat and mouse/HL-1 cells. *B2m*: β2 microglobulin.