ELK Biotechnology

KIR2.1 rabbit pAb

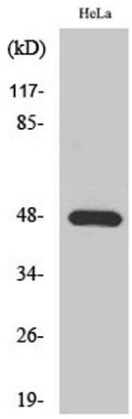
Cat No.:ES2675

For research use only

Overview

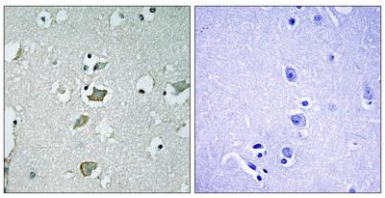
Product Name	KIR2.1 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human KCNJ2. AA range:81-130
Specificity	KIR2.1 Polyclonal Antibody detects endogenous levels of KIR2.1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Inward rectifier potassium channel 2
Gene Name	KCNJ2
Cellular localization	Membrane; Multi-pass membrane protein. Membrane; Lipid-anchor .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	48kD
Human Gene ID	3759
Human Swiss-Prot Number	P63252
Alternative Names	KCNJ2; IRK1; Inward rectifier potassium channel 2; Cardiac inward rectifier potassium channel; Inward rectifier K(+) channel Kir2.1; IRK-1; hIRK1; Potassium channel; inwardly rectifying subfamily J member 2
Background	Potassium channels are present in most mammalian cells, where they participate in a wide range of

physiologic responses. The protein encoded by this gene is an integral membrane protein and inward-rectifier type potassium channel. The encoded protein, which has a greater tendency to allow potassium to flow into a cell rather than out of a cell, probably participates in establishing action potential waveform and excitability of neuronal and muscle tissues. Mutations in this gene have been associated with Andersen syndrome, which is characterized by periodic paralysis, cardiac arrhythmias, and dysmorphic features. [provided by RefSeq, Jul 2008],



Western Blot analysis of various cells using KIR2.1 Polyclonal Antibody diluted at 1:500

Immunohistochemistry analysis of paraffin-embedded human brain tissue, using KCNJ2 Antibody. The picture on the right is blocked with the synthesized peptide.



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