ELK Biotechnology

KIR5.1 rabbit pAb

Cat No.:ES4983

For research use only

Overview

Product Name	KIR5.1 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from mouse Kir5.1. AA range:369-418
Specificity	KIR5.1 Polyclonal Antibody detects endogenous levels of KIR5.1 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 16
Gene Name	KCNJ16
Cellular localization	Membrane ; Multi-pass membrane protein. Basolateral cell membrane . In kidney distal convoluted tubules, located in the basolateral membrane in the presence of KCNJ10. .
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	16517
Human Swiss-Prot Number	Q9NPI9
Alternative Names	KCNJ16; Inward rectifier potassium channel 16; Inward rectifier K(+) channel Kir5.1; Potassium channel; inwardly rectifying subfamily J member

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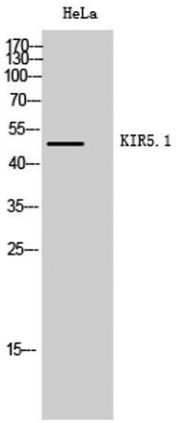
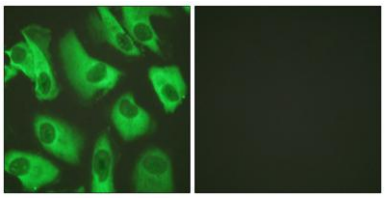
Background

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 tends to allow potassium to flow into rather than out of a cell, can form heterodimers with two other inward-rectifier type potassium channels. It may function in fluid and pH balance regulation. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Apr 2014],



Western Blot analysis of HeLa cells using KIR5.1 Polyclonal Antibody



Immunofluorescence analysis of HeLa cells, using Kir5.1 Antibody. The picture on the right is blocked with the synthesized peptide.

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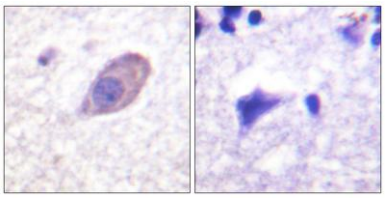
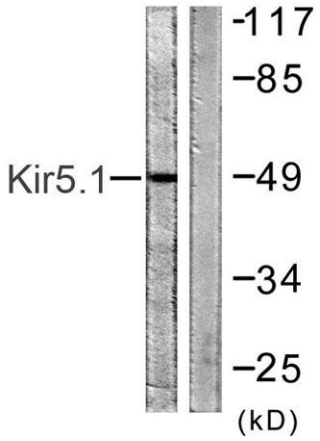
Immunohistochemistry analysis of paraffin-embedded human brain tissue, using Kir5.1 Antibody. The picture on the right is blocked with the synthesized peptide.





Western blot analysis of lysates from HeLa cells, using Kir5.1 Antibody. The lane on the right is blocked with the synthesized peptide.

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