Product Name: KIR5.1 Rabbit Polyclonal Antibody
Catalog #: APRab13032

Summary

Production Name	KIR5.1 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IF,IHC,WB,
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	KCNJ16
Alternative Names	KCNJ16; Inward rectifier potassium channel 16; Inward rectifier K(+) channel Kir5.1; Potassium channel; inwardly rectifying subfamily J member 16
Gene ID	16517.0
SwissProt ID	Q9NPI9.The antiserum was produced against synthesized peptide derived from mouse Kir5.1. AA range:369-418

Application

Dilution Ratio	WB 1:500 - 1:2000 IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
Molecular Weight	48kD

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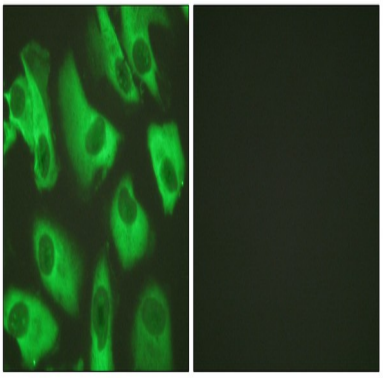
Background

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],function:Inward rectifier potassium channels are characterized by a greater tendency to allow potassium to flow into the cell rather than out of it. Their voltage dependence is regulated by the concentration of extracellular potassium; as external potassium is raised, the voltage range of the channel opening shifts to more positive voltages. The inward rectification is mainly due to the blockage of outward current by internal magnesium. KCNJ16 may be involved in the regulation of fluid and pH balance.,similarity:Belongs to the inward rectifier-type potassium channel family.,subunit:Seems to form heterodimer with Kir4.1/KCNJ10 or Kir2.1/KCNJ2.,tissue specificity:Highly expressed in kidney, pancreas and thyroid gland.,

Research Area

Image Data



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

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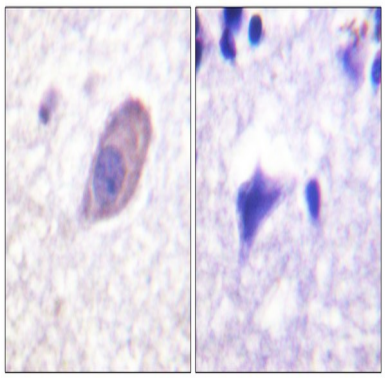
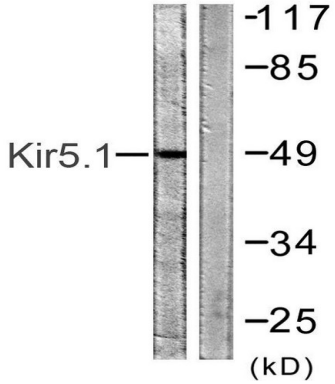
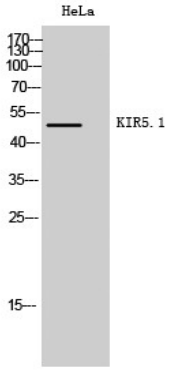


Immunohistochemistry analysis of paraffin-embedded human brain tissue, using Kir5.1 Antibody. The picture on the right is blocked with the synthesized peptide.



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



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

Note

For research use only.