Datasheet for ABIN7180038

anti-KIR5.1 antibody

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Overview

Quantity:	100 µL
Target:	KIR5.1 (KCNJ16)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KIR5.1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Synthesized non-phosphopeptide derived from Human Kir5.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	KIR5.1 (KCNJ16)
Alternative Name:	KCNJ16 (KCNJ16 Products)
Background:	Background: 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

Target Details

	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. Liu Y., Cytogenet. Cell Genet. 90:60-63(2000). Derst C., FEBS Lett. 491:305-311(2001). Aliases: KCNJ16 antibody, Inward rectifier potassium channel 16 antibody, Inward rectifier K(+) channel Kir5.1 antibody, Potassium channel antibody, inwardly rectifying subfamily J member 16 antibody
UniProt:	Q9NPI9

Application Details

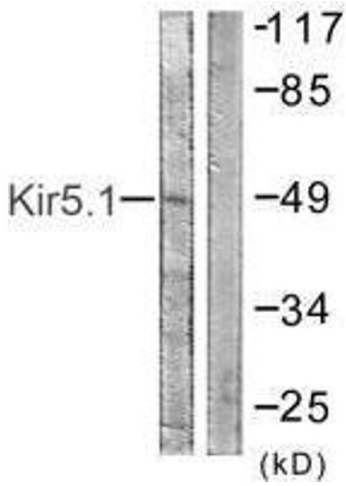
Application Notes:	WB:1:500-1:3000, IHC:1:50-1:100, IF:1:100-1:500,
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

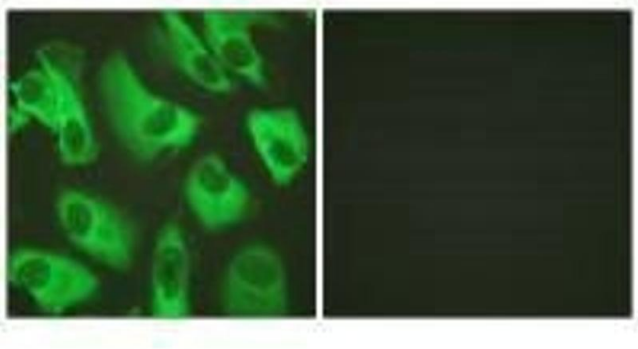
Immunohistochemistry

Image 1. Immunohistochemistry analysis of paraffin-embedded human brain tissue using Kir5.1 (Ab-416) antibody.



Western Blotting

Image 2. Western blot analysis of extracts from HeLa cells, using Kir5.1 (Ab-416) antibody.



Immunofluorescence

Image 3. Immunofluorescence analysis of HeLa cells, using Kir5.1 (Ab-416) antibody.