

Datasheet for ABIN5690028
anti-KCNK1 antibody (AA 220-270)



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Overview

Quantity:	0.1 mg
Target:	KCNK1
Binding Specificity:	AA 220-270
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNK1 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	KCNK1 antibody was raised against a 17 amino acid peptide near the carboxy terminus of human KCNK1. The immunogen is located within amino acids 220 - 270 of KCNK1.
Isotype:	IgG
Specificity:	KCNK1 antibody is human, mouse and rat reactive. KCNK1 antibody is predicted to not cross-react with other KCNK proteins.
Purification:	KCNK1 antibody is affinity chromatography purified via peptide column.

Target Details

Target:	KCNK1
Alternative Name:	KCNK1 (KCNK1 Products)
Background:	The potassium channel, subfamily K, member 1 (KCNK1), is member of the superfamily of potassium channel proteins containing two pore-forming P domains (1,2). KCNK1 is a ubiquitous human weakly inward rectifying K ⁺ channel that is widely expressed in human tissues, and particularly abundant in brain and heart (1). Both KCNK1 and the related protein KCNK2 contribute significantly to the passive conductance of hippocampal astrocytes (3).
Molecular Weight:	Predicted: 37 kDa Observed: 35 kDa
Gene ID:	3775
NCBI Accession:	NP_002236
UniProt:	O00180

Application Details

Application Notes:	KCNK1 antibody can be used for detection of KCNK1 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	KCNK1 antibody is supplied in PBS containing 0.02 % sodium azide.
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:	4 °C, -20 °C
Storage Comment:	KCNK1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.