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Datasheet for ABIN6991561

anti-KCNK13 antibody (AA 150-200)

Overview

Quantity:	0.1 mg
Target:	KCNK13
Binding Specificity:	AA 150-200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNK13 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KCNK13 antibody was raised against a 15 amino acid synthetic peptide near the center of human KCNK13. The immunogen is located within amino acids 150 - 200 of KCNK13.
Isotype:	IgG
Specificity:	KCNK13 antibody is predicted to not cross-react with other KCNK protein family members.
Purification:	KCNK13 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	KCNK13
Alternative Name:	KCNK13 (KCNK13 Products)

Target Details

Background: KCNK13 Antibody: The closely related proteins KCNK13 and KCNK12 (also known as THIK1 and 2) are the first two members of a novel two pore-forming P domains K⁺ channels subfamily. The pore loop domain, a highly conserved region common to all potassium channels, is involved in determining potassium ion selectivity. Members of this family are all characterized by four transmembrane domains and may function to help influence the resting membrane potential of cells. KCNK13 is expressed mainly in the brain, but is also observed in kidneys. KCNK13 has been suggested to be a candidate for the Cs⁺-permeable K⁺ channel activated by GABA(B) receptors.

Gene ID: 56659

NCBI Accession: [NP_071337](#)

UniProt: [Q9HB14](#)

Application Details

Application Notes: KCNK13 antibody can be used for detection of KCNK13 by Western blot at 0.5 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in rat samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: KCNK13 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: -20 °C, 4 °C

Storage Comment: KCNK13 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should

not be exposed to prolonged high temperatures.