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Datasheet for ABIN6991562
anti-KCNK12 antibody (C-Term)

Overview

Quantity:	0.1 mg
Target:	KCNK12
Binding Specificity:	AA 320-370, C-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNK12 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KCNK12 antibody was raised against a 14 amino acid synthetic peptide near the carboxy terminus of human KCNK12. The immunogen is located within amino acids 320 - 370 of KCNK12.
Isotype:	IgG
Specificity:	KCNK12 antibody is predicted to not cross-react with other KCNK protein family members.
Purification:	KCNK12 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	KCNK12
Alternative Name:	KCNK12 (KCNK12 Products)

Target Details

Background: KCNK12 Antibody: 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. KCNK12 is expressed mainly in the brain and lung, but also observed in the kidneys, heart and skeletal muscle. KCNK12 is closely related to KCNK13 (58 % identity at the amino acid level), but could not yet been functionally expressed in vitro and may require other proteins to become active.

Gene ID: 56660

NCBI Accession: [NP_071338](#)

UniProt: [Q9HB15](#)

Application Details

Application Notes: KCNK12 antibody can be used for detection of KCNK12 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 mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: KCNK12 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: KCNK12 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As

Handling

with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.