

Datasheet for ABIN1450041
anti-KCNK12 antibody (C-Term)[Go to Product page](#)

2 Images

Overview

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

Product Details

Immunogen:	14 amino acid synthetic peptide near the carboxy terminus of Human KCNK12
Isotype:	IgG
Cross-Reactivity (Details):	Species reactivity (tested): Human, Mouse, Rat.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	KCNK12
Alternative Name:	KCNK12 (KCNK12 Products)
Background:	KCNK13 and KCNK12 (also known as THIK1 and 2) are the first two members of a novel two

Target Details

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. Synonyms: KCNK12, Potassium channel subfamily K member 12, THIK-2, Tandem pore domain halothane-inhibited potassium channel 2

Gene ID: 56660

NCBI Accession: [NP_071338](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: PBS containing 0.02 % Sodium Azide as preservative

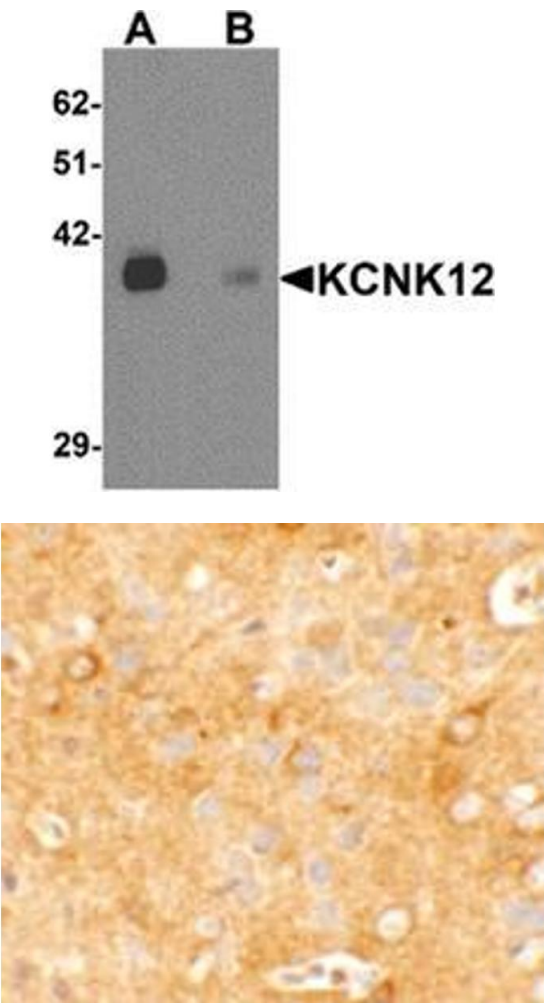
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of KCNK12 in rat brain tissue lysate with KCNK12 Cat.-No AP55538PU-N antibody at 0.5 ug/mL in (A) the absence and (B) the presence of blocking peptide.

Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of KCNK12 in mouse brain tissue with KCNK12 KCNK12 antibody at 5 ug/mL.