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Datasheet for 600-401-CD6

KCNK1 Antibody

Overview

Description:	Anti-KCNK1 (RABBIT) Antibody - 600-401-CD6
Item No.:	600-401-CD6
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

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).
Synonyms:	Potassium channel subfamily K member 1, DPK, HOHO, K2P1, K2p1.1, KCNO1, TWIK-1, TWIK1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	KCNK1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-KCNK1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid peptide near the C-terminus of human KCNK1.
Purity/Specificity:	Anti-KCNK1 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. KCNK1 antibody is human, mouse and rat reactive. KCNK1 antibody is predicted to not cross-react with other KCNK proteins.

Relevant Links:	• UniProtKB - O00180 • GeneID - 3775 • NCBI - NP_002236

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-KCNK1 Antibody has been tested for use in ELISA, immunofluorescence, immunohistochemistry, and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 38 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IF:	20 µg/mL
IHC:	5 µg/mL
WB:	1-2 µg/mL

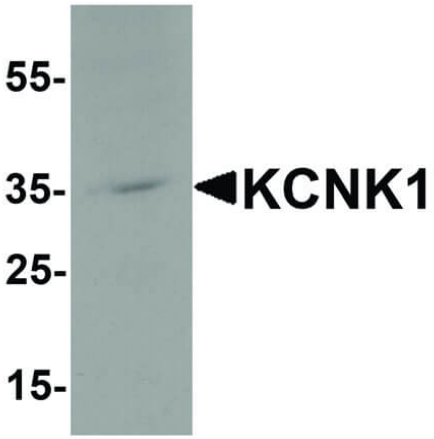
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot
Western Blot of Rabbit anti-KCNK1 antibody. Lane A: 3T3 cell lysate. Primary antibody: KCNK1 antibody at 1 µg/mL overnight at 4℃. Secondary antibody: Goat anti-Rabbit HRP secondary antibody. Block: 5% BLOTTO. Predicted/Observed size: 37 kDa, 35 kDa for KCNK1.

Disclaimer

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