

Datasheet for ABIN7043449

anti-KCNK12 antibody (1st Extracellular Loop)

4 Images

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Overview

Quantity:	25 µL
Target:	KCNK12
Binding Specificity:	1st Extracellular Loop, AA 61-73
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNK12 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)ESPGAEARARWG, corresponding to amino acid residues 61-73 of rat KCNK12
Isotype:	IgG
Characteristics:	Anti-KCNK12 (THIK-2) (extracellular) Antibody (ABIN7043449, ABIN7045070 and ABIN7045071)) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot and immunohistochemistry applications. It has been designed to recognize KCNK12 from rat and mouse and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

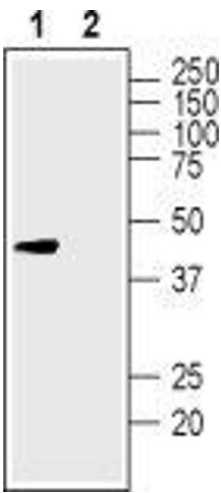
Target:	KCNK12
Alternative Name:	KCNK12 (THIK-2) (KCNK12 Products)
Background:	Alternative names: KCNK12 (THIK-2), Potassium channel subfamily K member 12, Tandem pore domain halothane-inhibited K ⁺ channel 2, K2P12.1
Gene ID:	64119
NCBI Accession:	NM_022055
UniProt:	Q9ERS1

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

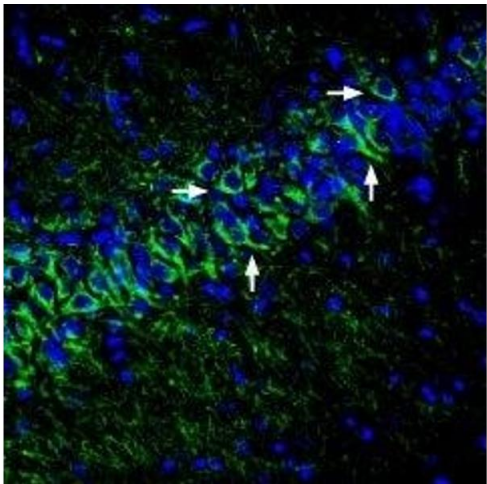
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % 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:	RT, 4 °C, -20 °C
Storage Comment:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).</p>



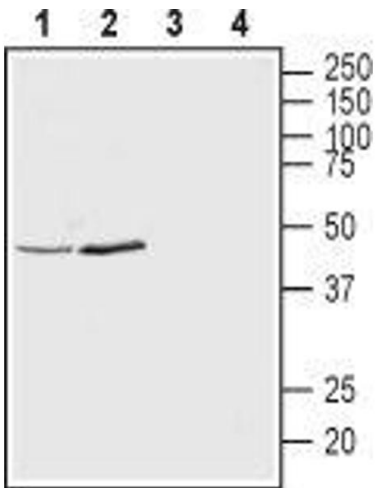
Western Blotting

Image 1. Western blot analysis of human SH-SY5Y neuroblastoma cell lysate: - 1. Anti-KCNK12 (THIK-2) (extracellular) Antibody (ABIN7043449, ABIN7045070 and ABIN7045071), (1:200). 2. Anti-KCNK12 (THIK-2) (extracellular) Antibody, preincubated with KCNK12/THIK-2 (extracellular) Blocking Peptide (#BLP-PC169).



Immunohistochemistry

Image 2. Expression of KCNK12 (THIK-2) in rat hippocampus - Immunohistochemical staining of perfusion-fixed frozen rat brain sections with Anti-KCNK12 (THIK-2) (extracellular) Antibody (ABIN7043449, ABIN7045070 and ABIN7045071), (1:400), followed by goat anti-rabbit-AlexaFluor-488 secondary antibody. THIK-2 immunoreactivity (green) in the rat hippocampal CA3 region is detected in neuronal soma (horizontal arrows) and in the dendrite initial segment (vertical arrows). Cell nuclei are stained with DAPI (blue).



Western Blotting

Image 3. Western blot analysis of rat brain synaptosomal fraction (lanes 1 and 3) and mouse brain lysates (lanes 2 and 4): - 1,2. Anti-KCNK12 (THIK-2) (extracellular) Antibody (ABIN7043449, ABIN7045070 and ABIN7045071), (1:400). 3,4. Anti-KCNK12 (THIK-2) (extracellular) Antibody, preincubated with KCNK12/THIK-2 (extracellular) Blocking Peptide (#BLP-PC169).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7043449.