

Datasheet for ABIN7043444

anti-KCNK13 antibody (1st Extracellular Loop)



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3 Images

Overview

Quantity:	25 µL
Target:	KCNK13
Binding Specificity:	1st Extracellular Loop, AA 54-69
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNK13 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)EERLANFSRGHNLSRE, corresponding to amino acid residues 54-69 of rat KCNK13
Isotype:	IgG
Characteristics:	Anti-KCNK13 (THIK-1) (extracellular) Antibody is directed against an epitope in the 1st extracellular loop of the rat KCNK13 channel. Anti-KCNK13 (THIK-1) (extracellular) Antibody (ABIN7043444, ABIN7045019 and ABIN7045020)) can be used in western blot and immunohistochemical applications, and recognizes KCNK13 channel from mouse and rat samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

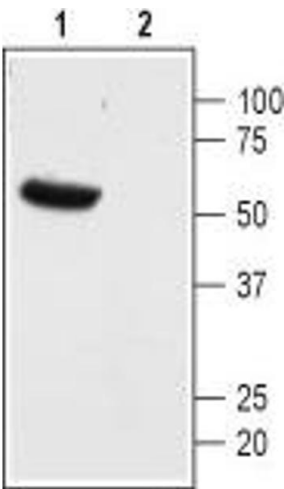
Target:	KCNK13
Alternative Name:	KCNK13 (THIK-1) (KCNK13 Products)
Background:	Alternative names: KCNK13 (THIK-1), Potassium channel subfamily K member 13, Tandem pore domain halothane-inhibited K ⁺ channel 1, K2P13.1
Gene ID:	64120
NCBI Accession:	NM_022054
UniProt:	Q9ERS0

Application Details

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

Handling

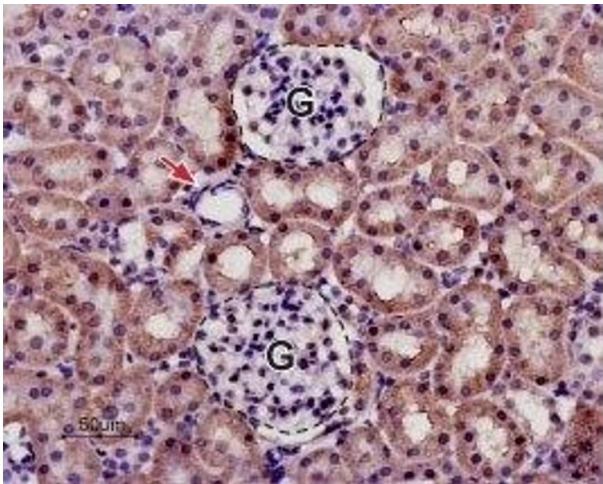
Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	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

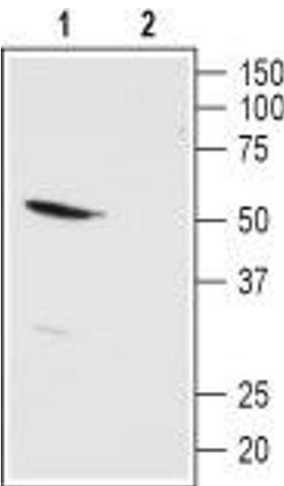
Image 1. Western blot analysis of mouse heart membranes:

- 1. Anti-KCNK13 (THIK-1) (extracellular) Antibody (ABIN7043444, ABIN7045019 and ABIN7045020) (1:200).
- 2. Anti-KCNK13 (THIK-1) (extracellular) Antibody, preincubated with KCNK13/THIK-1 (extracellular) Blocking Peptide (#BLP-PC121).



Immunohistochemistry

Image 2. Expression of KCNK13 in rat kidney - Immunohistochemical staining in paraffin-embedded sections of rat kidney using Anti-KCNK13 (THIK-1) (extracellular) Antibody (ABIN7043444, ABIN7045019 and ABIN7045020), (1:50). Staining (brown color) is specific for renal tubules while both glomeruli (G) and arterial walls are negative (red arrows). Following Tris-EDTA treatment for antigen retrieval, slides were incubated overnight at 4 °C. Hematoxylin is used as the counterstain.



Western Blotting

Image 3. Western blot analysis of rat kidney membranes:

- 1. Anti-KCNK13 (THIK-1) (extracellular) Antibody (ABIN7043444, ABIN7045019 and ABIN7045020), (1:200).
- 2. Anti-KCNK13 (THIK-1) (extracellular) Antibody, preincubated with KCNK13/THIK-1 (extracellular) Blocking Peptide (#BLP-PC121).