Datasheet for ABIN7043475

anti-KCNJ13 antibody (Extracellular Loop)

3 Images

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Overview

Quantity:	25 µL
Target:	KCNJ13
Binding Specificity:	AA 80-94, Extracellular Loop
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNJ13 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)EMNGDLEIDHDVPPE, corresponding to amino acid residues 80-94 of rat KCNJ13
Isotype:	IgG
Characteristics:	Anti-Kir7.1 (extracellular) Antibody (ABIN7043475, ABIN7045027 and ABIN7045028)) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot, immunohistochemistry and indirect flow cytometry applications. The antibody is directed against an extracellular epitope and is thus ideal for detecting Kir7.1 in living cells. It has been designed to recognize Kir7.1 from rat, mouse and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

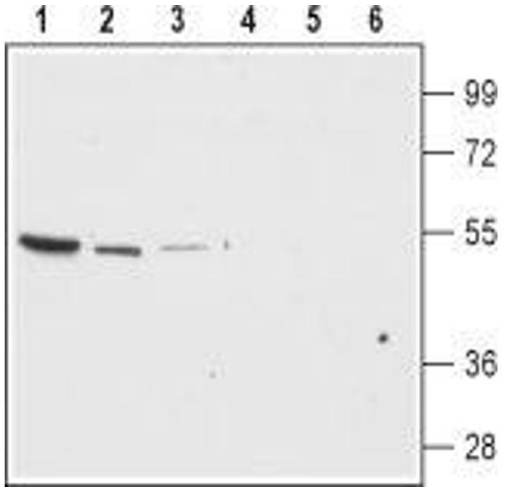
Target:	KCNJ13
Alternative Name:	Kir7.1 (KCNJ13 Products)
Background:	Alternative names: Kir7.1, Inward rectifier potassium channel 13, KCNJ13
Gene ID:	94341
NCBI Accession:	NM_002242
UniProt:	O70617

Application Details

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

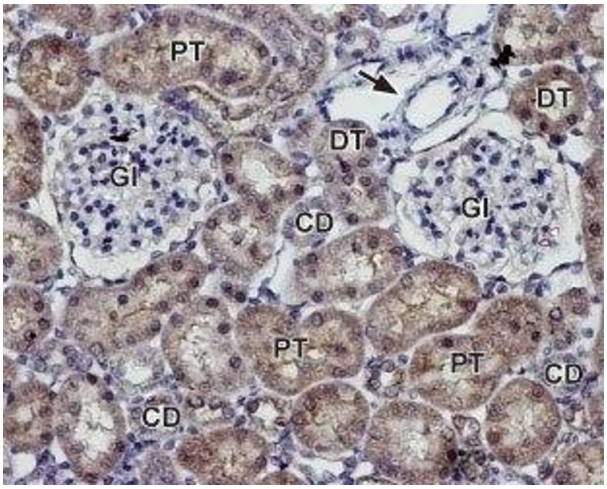
Handling

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:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. 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).



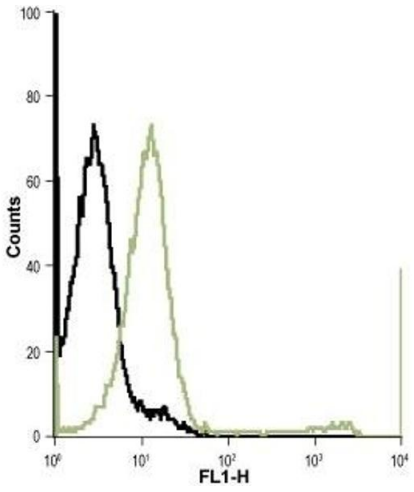
Western Blotting

Image 1. Western blot analysis of rat brain membrane (lanes 1 and 4), mouse brain (lanes 2 and 5) and mouse kidney lysates (lanes 3 and 6): - 1-3. Anti-Kir7.1 (extracellular) Antibody (ABIN7043475, ABIN7045027 and ABIN7045028), (1:200).4-6. Anti-Kir7.1 (extracellular) Antibody, preincubated with Kir7.1 (extracellular) Blocking Peptide (#BLP-PC125).



Immunohistochemistry

Image 2. Expression of Kir7.1 in rat kidney - Immunohistochemical staining of paraffin embedded section of rat kidney using Anti-Kir7.1 (extracellular) Antibody (ABIN7043475, ABIN7045027 and ABIN7045028), (1:100). Staining is present in both distal (DT) and proximal (PT) tubules and in the collecting ducts (CD) in the renal cortex. Note that staining is absent both in glomeruli (Gl) and blood vessels (arrow). Hematoxilin is used as the counterstain.



Flow Cytometry

Image 3. Cell surface detection of Kir7.1 in live intact Jurkat (human T cell leukemia) cell line: (black line) Cells + Goat-anti-Rabbit-FITC. (green line)Cells + Anti-Kir7.1 (extracellular) Antibody (ABIN7043475, ABIN7045027 and ABIN7045028), (1:20) + Goat-anti-Rabbit-FITC.