Rabbit anti-Human; Rat Kir4.1 Polyclonal Antibody | anti-Kir4.1 antibody

Kir4.1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA253832	**Rabbit**	**Human; Rat**	**Immunofluorescence, Immunocytochemistry, Western Blot**

PRODUCT SYNONYMS

Kir4.1; Polyclonal Antibody; Kir4.1 Antibody; Rabbit Anti-Human Kir4.1 Polyclonal; ATP sensitive inward rectifier potassium channel 10 Antibody; BIRK10 Antibody; KCNJ13 PEN Antibody; Potassium channel inwardly rectifying subfamily J member 10 Antibody; SESAME Antibody inwardly rectifying subfamily J member 10 Antibody; Inward rectifier K(+) channel Kir1.2 Antibody; Potassium channel KCNJ 10 Antibody; ATP-sensitive inward rectifier potassium channel 10 Antibody; Potassium inwardly rectifying channel subfamily J member 10 Antibody; KIR1.2 Antibody; Inwardly rectifying potassium channel Kir1.2 Antibody; ATP-dependent inwardly rectifying potassium channel Kir4.1 Antibody; Glial ATP dependent inwardly rectifying potassium channel KIR4.1 Antibody; Kcnj10 Antibody; KCNJ10 Antibody; IRK10_HUMAN Antibody; KIR4.1 Antibody; Inward rectifier K+ channel KIR1.2 Antibody; ATP dependent inwardly rectifying potassium channel Kir4.1 Antibody; Potassium channel Antibody; anti-Kir4.1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human; Rat
Clonality	Polyclonal
Specificity	Detects ~42 kDa.
Purity/Purification	Peptide Affinity Purified
Concentration	1 mg/ml (varies by lot)
Sequence Length	379
Applicable Applications for anti-Kir4.1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Target	Kir4.1
Immunogen	Synthetic peptide from the mid-protein of Human Kir4.1
Immunogen Species	Human
Cellular Localization	Membrane; Multi-Pass Membrane Protein; Basolateral Cell Membrane
Conjugate	Unconjugated
Storage Buffer	PBS, 50% glycerol, 0.09% sodium azide
Tissue Specificity	Expressed in kidney (at protein level).
Preparation and Storage	Store at -20 degree C.

IMAGES

WB (Western Blot)
Western blot analysis of Rat Liver cell lysates showing detection of ~42.5 kDa Kir4.1 protein using Rabbit Anti-Kir4.1 Polyclonal Antibody (SPC-700). Lane 1: Molecular Weight Ladder (MW). Lane 2: Rat Liver cell lysates. Load: 15 ug. Block: 5% Skim Milk in 1X TBST. Primary Antibody: Rabbit Anti-Kir4.1 Polyclonal Antibody (SPC-700) at 1:1000 for 2 hours at RT. Secondary Antibody: Goat Anti-Rabbit IgG: HRP at 1:2000 for 60 min at RT. Color Development: ECL solution for 6 min in RT. Predicted/Observed Size: ~42.5 kDa.

ICC (Immunocytochemistry)
Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-Kir4.1 Polyclonal Antibody (SPC-700). Tissue: Colon carcinoma cell line (RKO). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Rabbit Anti-Kir4.1 Polyclonal Antibody (SPC-700) at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Rabbit ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60 min at RT, 5 min at RT. Localization: Membrane, Cytoplasm. Magnification: 60X. (A) DAPI nuclear stain. (B) Phalloidin Texas Red F-Actin stain. (C) Kir4.1 Antibody. (D) Composite.

ADDITIONAL INFORMATION

Product Categories/Family for anti-Kir4.1 antibody	Antibodies; Neuroscience; Neurotransmission; Ion Channels; Potassium Channels; Inward-Rectifying Potassium Channels

NCBI AND UNIPROT INFORMATION

NCBI GI #	25121966
NCBI GeneID	3766
NCBI Accession #	NP_002232.2
NCBI GenBank Nucleotide #	NM_002241.4
UniProt Accession #	P78508; Q5VUT9; Q8N4I7; Q92808; A3KME7
Molecular Weight	42,508 Da
NCBI Official Full Name	ATP-sensitive inward rectifier potassium channel 10
NCBI Official Synonym Full Names	potassium voltage-gated channel subfamily J member 10
NCBI Official Symbol	KCNJ10
NCBI Official Synonym Symbols	KIR1.2; KIR4.1; SESAME; BIRK-10; KCNJ13-PEN
NCBI Protein Information	ATP-sensitive inward rectifier potassium channel 10
UniProt Protein Name	ATP-sensitive inward rectifier potassium channel 10
UniProt Gene Name	**KCNJ10**

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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