

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

Kir4.1 Antibody: ATTO 594

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA253835	Rabbit	Human; Rat	Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

Kir4.1; Polyclonal Antibody; Kir4.1 Antibody: ATTO 594; 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	ATTO 594
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
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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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Online datasheet: <https://stage.aaabiotech.com/polyclonal/kir41-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/253835>