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

Kir4.1 Antibody: Biotin

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA253836** | **Rabbit** | **Human; Rat** | **Immunofluorescence, Immunocytochemistry, Western Blot** |

## PRODUCT SYNONYMS

Kir4.1; Polyclonal Antibody; Kir4.1 Antibody: Biotin; 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

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|---|---|
| **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** | Biotin |
| **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

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

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **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/253836