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anti-KCNJ10 antibody (HRP)

Images



Overview

| Quantity: | 100 μg |
|--------------|---|
| Target: | KCNJ10 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This KCNJ10 antibody is conjugated to HRP |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF) |

Product Details

| Immunogen: | Synthetic peptide from the mid-protein of Human Kir4.1 |
|-------------------|--|
| Isotype: | IgG |
| Specificity: | Expressed in kidney (at protein level).,Detects ~42 kDa. |
| Cross-Reactivity: | Human, Rat |
| Purification: | Peptide Affinity Purified |

Target Details

| Target: | KCNJ10 |
|-------------------|--------------------------|
| Alternative Name: | Kir4.1 (KCNJ10 Products) |
| Gene ID: | 3766 |

Target Details

Storage:

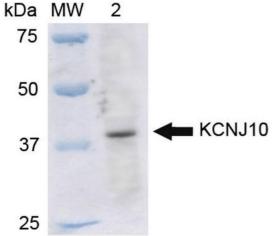
Storage Comment:

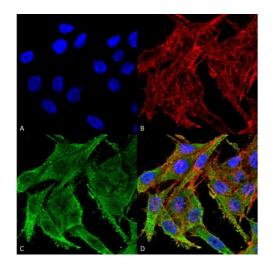
| NCBI Accession: | NP_002232 |
|---------------------|--|
| UniProt: | P78508 |
| Pathways: | Dicarboxylic Acid Transport, Regulation of long-term Neuronal Synaptic Plasticity |
| Application Details | |
| Application Notes: | WB (1:1000) ICC/IF (1:100) IHC (1:50) optimal dilutions for assays should be determined by the user. |
| Comment: | A 1:1000 dilution of ABIN5066672 was sufficient for detection of Kir4.1 in 15 μ g of rat liver cell lysates by ECL immunoblot analysis using goat anti-rabbit IgG:HRP as the secondary antibody. |
| Restrictions: | For Research Use only |
| Handling | |
| Format: | Liquid |
| Concentration: | 1 mg/mL |
| Buffer: | PBS, 50 % glycerol, 0.09 % sodium azide, Storage buffer may change when conjugated |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

4°C

Conjugated antibodies should be stored at 4°C







Immunohistochemistry

Image 1. Immunohistochemistry analysis using Rabbit Anti-Kir4.1 Polyclonal Antibody (ABIN5066672). Tissue: Kidney. Species: Human. Fixation: Formalin Fixed Paraffin-Embedded. Primary Antibody: Rabbit Anti-Kir4.1 Polyclonal Antibody (ABIN5066672) at 1:50 for 30 min at RT. Counterstain: Hematoxylin. Magnification: 10X. HRP-DAB Detection.

Western Blotting

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

Immunofluorescence (fixed cells)

Image 3. Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-Kir4.1 Polyclonal Antibody. Tissue: Colon carcinoma cell line (RKO). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Rabbit Anti-Kir4.1 Polyclonal Antibody 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.