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# Datasheet for ABIN5066659 anti-KCNJ10 antibody

3 Images



### Overview

Quantity:	100 µg	
Target:	KCNJ10	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF)	

## Product Details

Immunogen:	Synthetic peptide from the mid-protein of Human Kir4.1
Isotype:	lgG
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
NCBI Accession:	NP_002232

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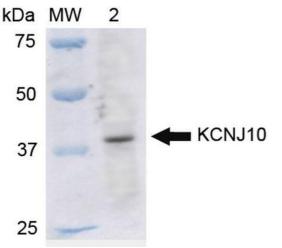
Target Details		

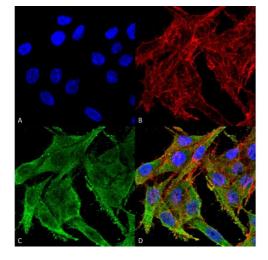
UniProt:	P78508
Pathways:	Dicarboxylic Acid Transport, Regulation of long-term Neuronal Synaptic Plasticity

## Application Details

Application Notes:	<ul> <li>WB (1:1000)</li> <li>ICC/IF (1:100)</li> <li>IHC (1:50)</li> <li>optimal dilutions for assays should be determined by the user.</li> </ul>	
Comment:	A 1:1000 dilution of ABIN5066659 was sufficient for detection of Kir4.1 in 15 µg 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.	
Storage:	-20 °C	
Storage Comment:	-20°C	







### Immunohistochemistry

**Image 1.** Immunohistochemistry analysis using Rabbit Anti-Kir4.1 Polyclonal Antibody (ABIN5066659). Tissue: Kidney. Species: Human. Fixation: Formalin Fixed Paraffin-Embedded. Primary Antibody: Rabbit Anti-Kir4.1 Polyclonal Antibody (ABIN5066659) 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  $\mu$ g. 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 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.

### 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.