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# anti-KCNJ1 antibody (C-Term, Intracellular)

2 Images



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Quantity:	25 μL
Target:	KCNJ1
Binding Specificity:	AA 342-391, C-Term, Intracellular
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNJ1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Immunoprecipitation (IP)

### **Product Details**

Immunogen:	Immunogen: GST fusion protein
	Immunogen Sequence: GST fusion protein with the sequence
	HNFGKTVEVETPHCAMCLYNEKDARARMKRGYDNPNFVLSEVDET DDTQM, corresponding to
	amino acids 342-391 of rat KCNJ1
Isotype:	IgG
Characteristics:	Anti-KCNJ1 (Kir1.1) Antibody (ABIN7043467, ABIN7044897 and ABIN7044898)) is a highly specific antibody directed against an epitope of the rat potassium channel ROM-K. The antibody can be used in western blot, immunohistochemistry, immunocytochemistry, and immunoprecipitation applications. It has been designed to recognize ROMK1 from rat, mouse and human samples
	and human samples.

### **Product Details**

Purification:

The serum was depleted of anti-GST antibodies by affinity chromatography on immobilized GST and then the IgG fraction was purified on immobilized antigen.

## **Target Details**

Target:	KCNJ1
Alternative Name:	KCNJ1 (Kir1.1) (KCNJ1 Products)
Background:	Alternative names: KCNJ1 (Kir1.1), ROMK1, ATP-sensitive inward rectifier potassium channel 1
Gene ID:	24521
NCBI Accession:	NM_000220
UniProt:	P35560

# **Application Details**

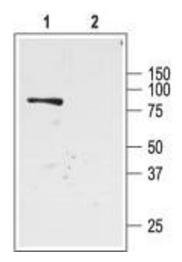
Application Notes:	Optimal working dilution should be determined by the investigator.

For Research Use only

# Handling

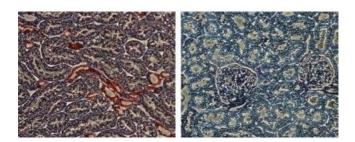
Restrictions:

Format:	Lyophilized
Reconstitution:	$25\mu\text{L}$ , $50\mu\text{L}$ or $0.2\text{mL}$ double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
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:	RT,4 °C,-20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature.  Upon arrival, it should be stored at -20°C.  Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week.  For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).



#### **Western Blotting**

Image 1. Western blot analysis of rat kidney membranes: 1. Anti-KCNJ1 (Kir1.1) Antibody (ABIN7043467,
ABIN7044897 and ABIN7044898), (1:200).2. Anti-KCNJ1
(Kir1.1) Antibody, preincubated with KCNJ1/Kir1.1 Blocking
Peptide (#BLP-PC001).



#### **Immunohistochemistry**

Image 2. Expression of KCNJ1 in rat kidney - Immunohistochemical staining of rat kidney sections using Anti-KCNJ1 (Kir1.1) Antibody (ABIN7043467, ABIN7044897 and ABIN7044898), (left). There is strong staining (red) of tubular epithelial cells in distal tubes. Note that no staining is observed in proximal tubules (arrow). Counterstain of cell nuclei appears blue. A negative control is shown (right).