

For Research Use Only

# Kv1.4-Specific Polyclonal antibody

Catalog Number: 19697-1-AP

3 Publications



## Basic Information

Catalog Number:

19697-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_002233

GeneID (NCBI):

3739

UNIPROT ID:

P22459

Full Name:

potassium voltage-gated channel, shaker-related subfamily, member 4

Calculated MW:

73 kDa

Observed MW:

68-73 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

rat

Positive Controls:

WB: mouse liver tissue,

## Background Information

KCNA4, also named as KCNA4L, HBK4, HUK1, HK1 and HPCN2, belongs to the potassium channel family and A (Shaker) subfamily. KCNA4 mediates the voltage-dependent potassium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a potassium-selective channel through which potassium ions may pass in accordance with their electrochemical gradient. The antibody is specific to KCNA4.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xue Liu	27322747	Cell Physiol Biochem	WB
Yi Guan	30506890	J Cell Mol Med	WB
Xueting Gao	34409458	J Cell Sci	WB

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

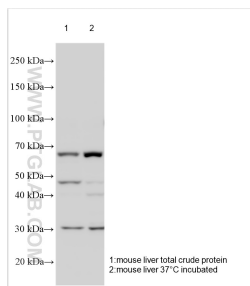
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 19697-1-AP (Kv1.4-Specific antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.