For Research Use Only

Kv1.4-Specific Polyclonal antibody

Catalog Number:19697-1-AP 3 Publications

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Basic Information

Catalog Number:
19697-1-AP

Concentration:
600 ug/ml

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, HUKII, HK1 and HPCN2, belongs to the potassium channel family and A (Shaker) subfamily. KCN4 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 KCN4.

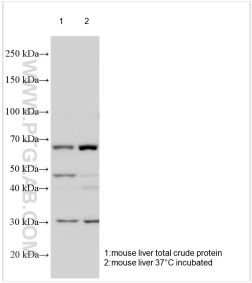
Notable Publications

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

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.