

## Kv1.1 potassium channel Rabbit mAb

Catalog No: #49085

Package Size: #49085-1 50ul #49085-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

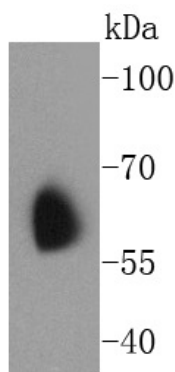
## Description

Product Name	Kv1.1 potassium channel Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SN66-06
Purification	ProA affinity purified
Applications	WB, IHC, IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	AEMK antibody EA1 antibody Episodic ataxia with myokymia antibody HBK1 antibody HUK1 antibody Kca1 1 antibody Kcna1 antibody KCNA1_HUMAN antibody Kcpvd antibody KV1.1 antibody MBK1 antibody mceph antibody MGC124402 antibody MGC126782 antibody MGC138385 antibody MK1 antibody MK1, mouse, homolog of KV1.1 antibody Potassium channel protein 1 antibody Potassium voltage gated channel shaker related subfamily member 1 antibody Potassium voltage gated channel subfamily A member 1 antibody Potassium voltage gated channel, shaker related subfamily, member 1 (episodic ataxia with myokymia) antibody Potassium voltage-gated channel subfamily A member 1 antibody RBK1 antibody RCK1 antibody Shak antibody Shaker related subfamily member 1 antibody Voltage gated potassium channel subunit Kv1.1 antibody Voltage-gated K(+) channel HuK1 antibody Voltage-gated potassium channel HBK1 antibody Voltage-gated potassium channel subunit Kv1.1 antibody
Accession No.	Swiss-Prot#:Q09470
Uniprot	Q09470
GeneID	3736;
Calculated MW	56 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

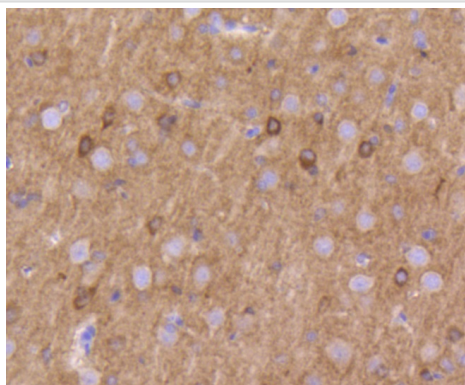
## Application Details

WB: 1:5,000-1:10,000 IHC: 1:50-1:200

## Images



Western blot analysis of Kv1.1 potassium channel on human brain lysates using anti-Kv1.1 potassium channel antibody at 1/1,000 dilution.



Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-Kv1.1 potassium channel antibody. Counter stained with hematoxylin.

## Background

Voltage-gated K<sup>+</sup> channels in the plasma membrane control the repolarization and the frequency of action potentials in neurons, muscles, and other excitable cells. The KV gene family encodes more than 30 genes that comprise the subunits of the K<sup>+</sup> channels, and they vary in their gating and permeation properties, subcellular distribution, and expression patterns. Functional KV channels assemble as tetramers consisting of pore-forming  $\alpha$ -subunits (KV $\alpha$ ), which include the KV1, KV2, KV3, and KV4 proteins, and accessory or KV $\beta$  subunits that modify the gating properties of the coexpressed KV $\alpha$  subunits. Differences exist in the patterns of trafficking, biosynthetic processing and surface expression of the major KV1 subunits (KV1.1, KV1.2, KV1.4, KV1.5 and KV1.6) expressed in rat and human brain, suggesting that the individual protein subunits are highly regulated to control for the assembly and formation of functional neuronal channels.

## References

Note: This product is for in vitro research use only