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Kv3.4 Polyclonal Antibody

Catalog # AP70695

Product Information

Application	WB, IHC-P, IF
Primary Accession	Q03721
Reactivity	Human, Mouse, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	69767

Additional Information

Gene ID	3749
Other Names	KCNC4; Potassium voltage-gated channel subfamily C member 4; KSHIIIC; Voltage-gated potassium channel subunit Kv3.4
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

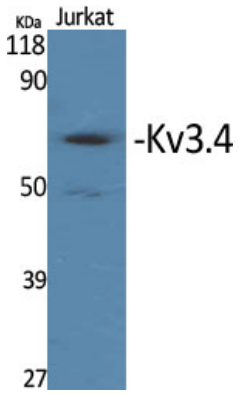
Protein Information

Name	KCNC4 (HGNC:6236)
Function	Voltage-gated potassium channel that opens in response to the voltage difference across the membrane, forming a potassium-selective channel through which potassium ions pass in accordance with their electrochemical gradient (PubMed:7993631). The channel displays rapid activation and inactivation kinetics (PubMed:7993631).
Cellular Location	Membrane; Multi-pass membrane protein.

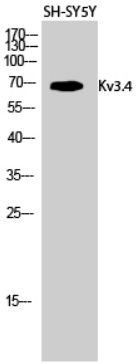
Background

This protein 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.

Images



Western Blot analysis of various cells using Kv3.4 Polyclonal Antibody diluted at 1：500



Western Blot analysis of SH-SY5Y cells using Kv3.4 Polyclonal Antibody diluted at 1：500