ELK Biotechnology

KV3.2 rabbit pAb

Cat No.:ES2690

For research use only

Overview

Product Name	KV3.2 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Potassium Channel Kv3.2b. AA range:589-638
Specificity	KV3.2 Polyclonal Antibody detects endogenous levels of KV3.2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Potassium voltage-gated channel subfamily C member 2
Gene Name	KCNC2
Cellular localization	Cell membrane ; Multi-pass membrane protein . Membrane ; Multi-pass membrane protein . Perikaryon . Cell projection, axon . Cell projection, dendrite . Cell junction, synapse, postsynaptic cell membrane . Cell junction, synapse, presynaptic cell membrane
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	70kD
Human Gene ID	3747
Human Swiss-Prot Number	Q96PR1
Alternative Names	KCNC2; Potassium voltage-gated channel subfamily

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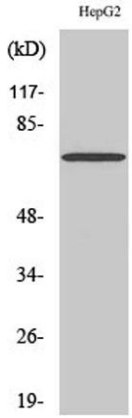
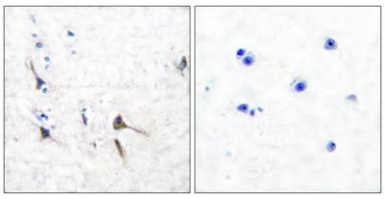
Background

C member 2; Voltage-gated potassium channel Kv3.2 The Shaker gene family of Drosophila encodes components of voltage-gated potassium channels and is comprised of four subfamilies. Based on sequence similarity, this gene is similar to one of these subfamilies, namely the Shaw subfamily. The protein encoded by this gene belongs to the delayed rectifier class of channel proteins and is an integral membrane protein that mediates the voltage-dependent potassium ion permeability of excitable membranes. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2012],



Western Blot analysis of various cells using KV3.2 Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using Potassium Channel Kv3.2b Antibody. The picture on the right is blocked with the synthesized peptide.

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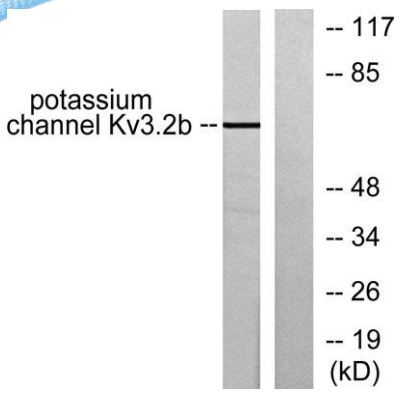

Western blot analysis of lysates from HepG2 cells, using Potassium Channel Kv3.2b Antibody. The lane on the right is blocked with the synthesized peptide.

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