

KV β .3 Polyclonal Antibody

Catalog # AP70700

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	O43448
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43670

Additional Information

Gene ID	9196
Other Names	KCNAB3; KCNA3B; Voltage-gated potassium channel subunit beta-3; K(+) channel subunit beta-3; Kv-beta-3
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

Protein Information

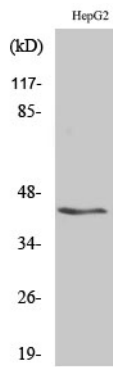
Name	KCNAB3 (HGNC:6230)
Synonyms	KCNA3B
Function	Regulatory subunit of the voltage-gated potassium (Kv) channels composed of pore-forming and potassium-conducting alpha subunits and of regulatory beta subunit (PubMed: 9857044). The beta- 3/KCNAB3 subunit may mediate closure of potassium channels (By similarity). Increases inactivation of Kv1.5/KCNA5 alpha subunit- containing channels (PubMed: 9857044). May display nicotinamide adenine dinucleotide phosphate (NADPH)-dependent aldo-ketoreductase activity (By similarity). The binding of oxidized and reduced NADP(H) cofactors may be required for the regulation of potassium channel activity (By similarity).
Cellular Location	Cytoplasm {ECO:0000250 UniProtKB:Q14722}.
Tissue Location	Brain specific. Most prominent expression in cerebellum. Weaker signals detected in cortex, occipital lobe, frontal lobe and temporal lobe. Not

detected in spinal cord, heart, lung, liver, kidney, pancreas, placenta and skeletal muscle

Background

Accessory potassium channel protein which modulates the activity of the pore-forming alpha subunit. Alters the functional properties of Kv1.5.

Images



Western Blot analysis of various cells using KV β .3 Polyclonal Antibody

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.