

KV β .3 Polyclonal Antibody
Catalog # AP70700**Specification**

KV β .3 Polyclonal Antibody - Product Information

Application	WB, IHC-P
Primary Accession	O43448
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

KV β .3 Polyclonal Antibody - Additional Information**Gene ID** 9196**Other Names**

KCNA3B; 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

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

KV β .3 Polyclonal Antibody - Protein Information**Name** KCNA3B ([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/KCNA3B 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 aldoketoreductase 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

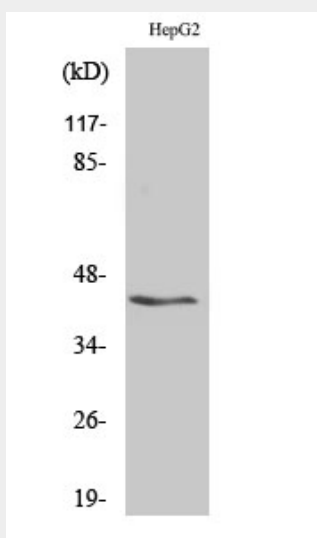
Brain specific. Most prominent expression in cerebellum. Weaker signals detected in cortex, occipital lobe, frontal lobe and temporal lobe. Not detected in spinal cord, heart, lung, liver, kidney, pancreas, placenta and skeletal muscle

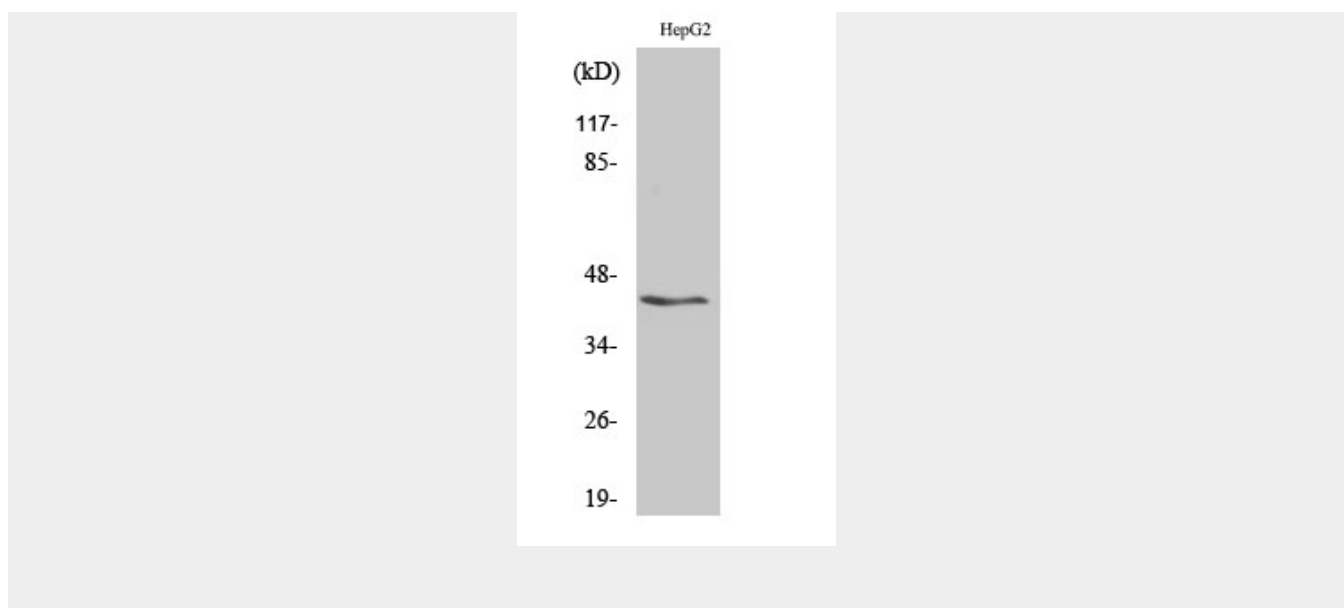
KV β .3 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KV β .3 Polyclonal Antibody - Images





KVβ.3 Polyclonal Antibody - Background

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