

MaxiK β Polyclonal Antibody
Catalog # AP70850**Specification**

MaxiK β Polyclonal Antibody - Product Information

Application	WB
Primary Accession	Q86W47
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

MaxiK β Polyclonal Antibody - Additional Information**Gene ID** 27345**Other Names**

KCNMB4; Calcium-activated potassium channel subunit beta-4; BK channel subunit beta-4; BKbeta4; Hbeta4; Calcium-activated potassium channel; subfamily M subunit beta-4; Charybdotoxin receptor subunit beta-4; K(VCA)beta-4; Maxi K channel sub

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.

Format

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

Storage Conditions

-20°C

MaxiK β Polyclonal Antibody - Protein Information**Name** KCNMB4**Function**

Regulatory subunit of the calcium activated potassium KCNMA1 (maxiK) channel. Modulates the calcium sensitivity and gating kinetics of KCNMA1, thereby contributing to KCNMA1 channel diversity. Decreases the gating kinetics and calcium sensitivity of the KCNMA1 channel, but with fast deactivation kinetics. May decrease KCNMA1 channel openings at low calcium concentrations but increases channel openings at high calcium concentrations. Makes KCNMA1 channel resistant to 100 nM charybdotoxin (CTX) toxin concentrations.

Cellular Location

Membrane; Multi-pass membrane protein.

Tissue Location

Predominantly expressed in brain. In brain, it is expressed in the cerebellum, cerebral cortex, medulla, spinal cord, occipital pole, frontal lobe, temporal lobe, putamen, amygdala, caudate

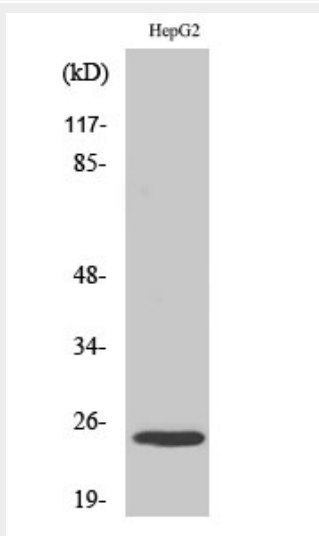
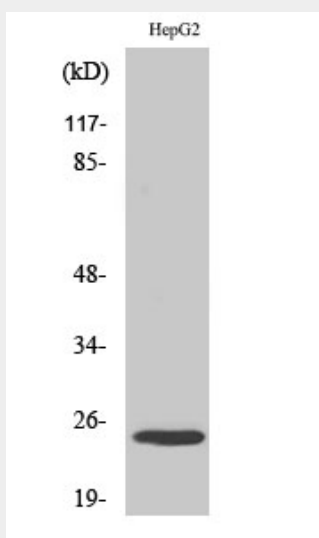
nucleus, corpus callosum, hippocampus, substantia nigra and thalamus Weakly or not expressed in other tissues.

MaxiK β 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](#)

MaxiK β Polyclonal Antibody - Images



MaxiK β Polyclonal Antibody - Background

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