

KCNMB4 Antibody (aa86-140)
Rabbit Polyclonal Antibody
Catalog # ALS16932**Specification**

KCNMB4 Antibody (aa86-140) - Product Information

Application	IHC, WB
Primary Accession	Q86W47
Other Accession	27345
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23949

KCNMB4 Antibody (aa86-140) - Additional Information**Gene ID** 27345**Other Names**

KCNMB4, BK beta 4, BK channel subunit beta-4, BKbeta4, Hbeta4, K(VCA)beta-4, Slowpoke beta 4, Maxi K channel subunit beta-4, Maxi K beta 4, Slo-beta-4

Target/Specificity

Human KCNMB4

Reconstitution & Storage

PBS, pH 7.2, 0.05% sodium azide. Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

Precautions

KCNMB4 Antibody (aa86-140) is for research use only and not for use in diagnostic or therapeutic procedures.

KCNMB4 Antibody (aa86-140) - 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.

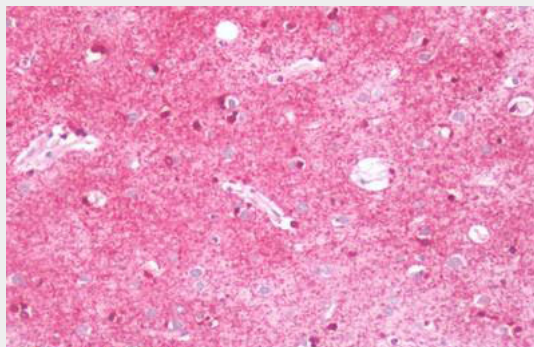
Volume

50 µl

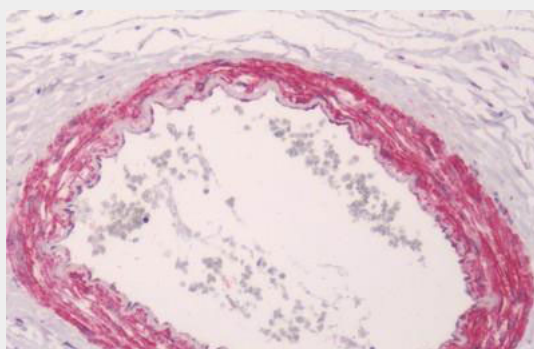
KCNMB4 Antibody (aa86-140) - Protocols

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

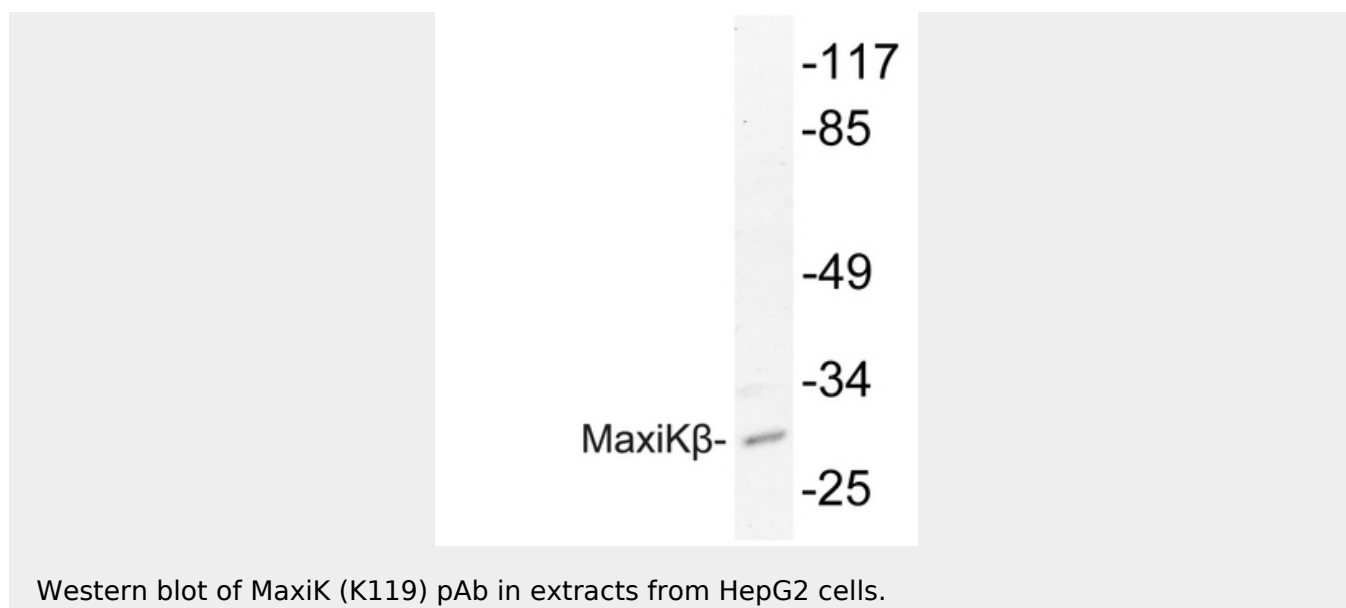
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KCNMB4 Antibody (aa86-140) - Images

Anti-KCNMB2 antibody IHC staining of human brain, cortex.



Human Vascular Smooth Muscle: Formalin-Fixed, Paraffin-Embedded (FFPE)

**KCNMB4 Antibody (aa86-140) - Background**

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KCNMB4 Antibody (aa86-140) - References

Meera P., et al. Proc. Natl. Acad. Sci. U.S.A. 97:5562-5567(2000).
Behrens R., et al. FEBS Lett. 474:99-106(2000).
Brenner R., et al. J. Biol. Chem. 275:6453-6461(2000).
Weiger T.M., et al. J. Neurosci. 20:3563-3570(2000).
Jin P., et al. J. Biol. Chem. 277:10014-10020(2002).