

Anti-KCNMB4 Antibody (aa70-119)

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS18099

Product Information

Application	WB, IHC-P, E
Primary Accession	Q86W47
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	23949

Additional Information

Gene ID	27345
Alias Symbol	KCNMB4
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	MaxiK beta antibody detects endogenous levels of MaxiK beta.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-KCNMB4 Antibody (aa70-119) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

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