KCNMB4 rabbit monoclonal antibody

Catalog # H00027345-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human KCNMB4 peptide using ARM Technology.
Immunogen	A synthetic peptide of human KCNMB4 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human KCNMB4 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — KCNMB4

Entrez GeneID	27345
GeneBank Accession#	KCNMB4
Gene Name	KCNMB4
Gene Alias	-
Gene Description	potassium large conductance calcium-activated channel, subfamily M, beta member 4
Omim ID	605223
Gene Ontology	Hyperlink
Gene Summary	MaxiK channels are large conductance, voltage and calcium-sensitive potassium channels which are fundamental to the control of smooth muscle tone and neuronal excitability. MaxiK channels ca n be formed by 2 subunits: the pore-forming alpha subunit and the modulatory beta subunit. The pr otein encoded by this gene is an auxiliary beta subunit which slows activation kinetics, leads to st eeper calcium sensitivity, and shifts the voltage range of current activation to more negative poten tials than does the beta 1 subunit. [provided by RefSeq
Other Designations	calcium-activated potassium channel beta 4 subunit|large conductance calcium-dependent potas sium ion channel beta 4 subunit

Pathway

- Vascular smooth muscle contraction

Disease

- Epilepsy
- Genetic Predisposition to Disease
- Seizures
- Syndrome