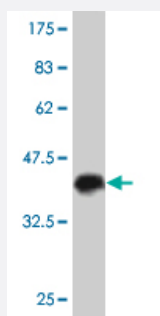


KCNMB3 polyclonal antibody (A01)

Catalog # H00027094-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (37.11 kDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant KCNMB3.
Immunogen	KCNMB3 (NP_741979, 82 a.a. ~ 181 a.a) partial recombinant protein with GST tag.
Sequence	FMLSQREESTCTAIHTDIMDDWLDCAFTCGVHCHGQGKYPCLQVFNLSHPGQKALLHYNEEAV QINPKCFYTPKCHQDRNDLLNSALDIKEFFDHKNG
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (70); Rat (77)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.11 kDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — KCNMB3

Entrez GeneID [27094](#)

GeneBank Accession# [NM_171828](#)

Protein Accession# [NP_741979](#)

Gene Name KCNMB3

Gene Alias KCNMB2, KCNMBL

Gene Description potassium large conductance calcium-activated channel, subfamily M beta member 3

Omim ID [605222](#)

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 can be formed by 2 subunits: the pore-forming alpha subunit and the modulatory beta subunit. The protein encoded by this gene is an auxiliary beta subunit which may partially inactivate or slightly decrease the activation time of MaxiK alpha subunit currents. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 22. [provided by RefSeq]

Other Designations calcium-activated potassium channel beta 3 subunit|large conductance, voltage and Ca²⁺ activated potassium channel Maxi K beta 3 subunit|potassium large conductance calcium-activated channel beta 3 subunit

Publication Reference

- [Accelerated Ca²⁺ entry by membrane hyperpolarization due to Ca²⁺-activated K⁺ channel activation in response to histamine in chondrocytes.](#)

Funabashi K, Ohya S, Yamamura H, Hatano N, Muraki K, Giles W, Imaizumi Y.

American Journal of Physiology. Cell Physiology 2010 Apr; 298(4):C786.

Application: IF, WB-Ce, Human, OUMS-27 cells

- [Gender difference in BK channel expression in amygdala complex of rat brain.](#)

Ohno A, Ohya S, Yamamura H, Imaizumi Y.

Biochemical and Biophysical Research Communications 2008 Dec; 378(4):867.

Application: IF, Rat, Rat pyramidal-like cells

- [Differential distribution of Ca\(2+\)-activated potassium channel beta4 subunit in rat brain: Immunolocalization in neuronal mitochondria.](#)

Piwonska M, Wilczek E, Szewczyk A, Wilczynski GM.

Neuroscience 2008 Feb; 153(2):446.

Application: WB, Rat, Rat brain mitochondria

Pathway

- [Vascular smooth muscle contraction](#)

Disease

- [Epilepsies](#)
- [Epilepsy](#)