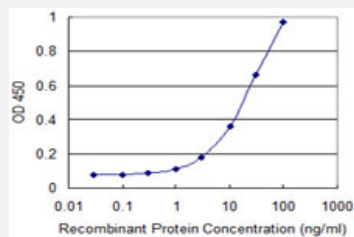


KCNMB3 monoclonal antibody (M15), clone 3E5

Catalog # H00027094-M15

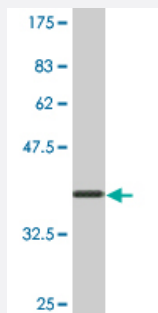
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged KCNMB3 is 0.3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant KCNMB3.

Immunogen

KCNMB3 (NP_741979, 82 a.a. ~ 181 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

FMLSIQREESTCTAIHTDIMDDWLDCAFTCGVHCHGQGKYPCLQVFNLSHPGQKALLHYNEEAV
QINPKCFYTPKCHQDRNDLLNSALDIKEFFDHKNG

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence	Mouse (70); Rat (77)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged KCNMB3 is 0.3 ng/ml as a capture antibody.

[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

Pathway

- [Vascular smooth muscle contraction](#)

Disease

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