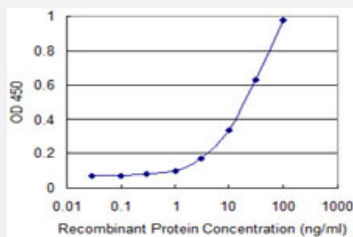


# KCNMB3 monoclonal antibody (M11), clone 2C12

Catalog # H00027094-M11

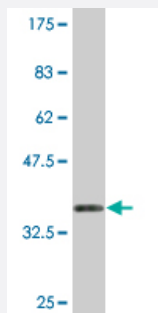
Size 100 ug

## Applications



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged KCNMB3 is 1 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 1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — KCNMB3

Entrez GeneID	<a href="#">27094</a>
GeneBank Accession#	<a href="#">NM_171828</a>
Protein Accession#	<a href="#">NP_741979</a>
Gene Name	KCNMB3
Gene Alias	KCNMB2, KCNMBL
Gene Description	potassium large conductance calcium-activated channel, subfamily M beta member 3
Omim ID	<a href="#">605222</a>
Gene Ontology	<a href="#">Hyperlink</a>

**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 Ca<sup>2+</sup> 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](#)