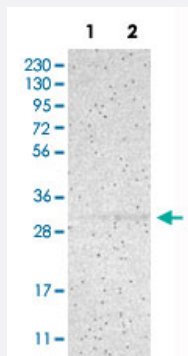


KCNMB3 polyclonal antibody

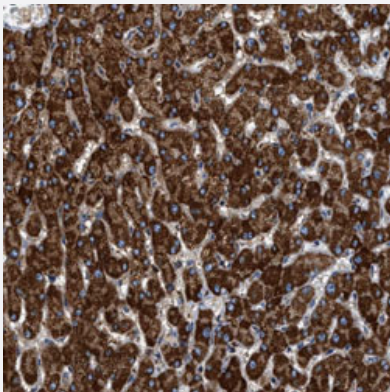
Catalog # PAB31458 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of Lane 1: RT-4 and Lane 2: U-251 MG sp cell lysates with KCNMB3 polyclonal antibody (Cat # PAB31458).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human liver with KCNMB3 polyclonal antibody (Cat # PAB31458) shows strong cytoplasmic positivity in hepatocytes.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human KCNMB3.
Immunogen	Recombinant protein corresponding to human KCNMB3.
Sequence	TCTAIHTDIMDDWLDCAFTCGVHCHGQKYPCLQVFNLSHPGQKALLHYNEEAVQINPKCFYTP KCHQDRNDLLNSALDIKEFFDHKNGTPFSCFYSPASQ
Host	Rabbit
Reactivity	Human

Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:20-1:50) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western Blot analysis of Lane 1: RT-4 and Lane 2: U-251 MG sp cell lysates with KCNMB3 polyclonal antibody (Cat # PAB31458).

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Gene Info — KCNMB3

Entrez GeneID	27094
Protein Accession#	Q9NPA1
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](#)