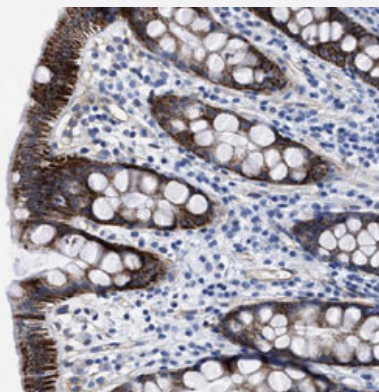


KCNMB3 polyclonal antibody

Catalog # PAB30908

Size 100 uL

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human rectum with KCNMB3 polyclonal antibody (Cat # PAB30908) shows strong cytoplasmic positivity in granular pattern in glandular cells.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human KCNMB3.
Immunogen	Recombinant protein corresponding to human KCNMB3.
Sequence	RLTQHLSLLCEKYSTVVRDEVGGKVPYIEQHQQFKLCIMRRSKGRAEKS
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) 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.

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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](#)