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anti-KCNMB3 antibody (Middle Region)



Image



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Quantity:	100 μL
Target:	KCNMB3
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNMB3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human KCNMB3
Sequence:	SLTLLGGALI VGMVRLTQHL SLLCEKYSTV VRDEVGGKVP YIEQHQFKLC
Predicted Reactivity:	Dog: 91%, Human: 100%, Rat: 92%
Characteristics:	This is a rabbit polyclonal antibody against KCNMB3. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	KCNMB3
Alternative Name:	KCNMB3 (KCNMB3 Products)

Target Details

Backo	round:
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KCNMB3 is an auxiliary beta subunit which may partially inactivate or slightly decrease the activation time of MaxiK alpha subunit currents. At least four transcript variants encoding four different isoforms have been found for KCNMB3.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. 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. At least four transcript variants encoding four different isoforms have been found for this gene.

Alias Symbols: KCNMB2, KCNMBL, HBETA3, BKBETA3, SLOBETA3

Protein Size: 277

Molecular Weight:

31 kDa

Gene ID:

27094

NCBI Accession:

NM_171828, NP_741979

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 277 AA
Restrictions:	For Research Use only

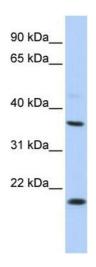
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-KCNMB3 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: HepG2 cell lysate