

Anti-KCNMB3 antibody

Cat. No.	ml261823
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol

Product overview

Description	Anti-KCNMB3 rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Synthetic peptide of human KCNMB3
Reactivity	Human, Mouse
Content	0.5 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	KCNMB3
Full name	potassium large conductance calcium-activated channel, subfamily M beta member 3

Synonyms HBETA3; KCNMB2; KCNMBL; BKBETA3; SLOBETA3; SLO-BETA-3; K(VCA)BETA-3

Swissprot Q9NPA1

Target Background

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.

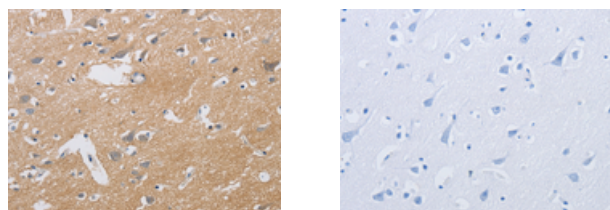
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human brain

Recommended dilution: 25-100



The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using ml261823(KCNMB3 Antibody) at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification: ×200)

Western blotting

Predicted band size: 32 kDa

Positive control: Mouse brain tissue

Recommended dilution: 500-2000

Gel: 12%SDS-PAGE

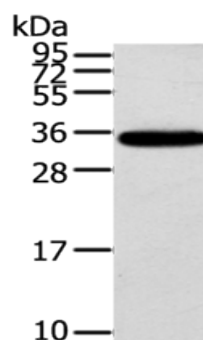
Lysate: 40 µg

Lane: Mouse brain tissue

Primary antibody: ml261823(KCNMB3 Antibody) at dilution 1/300

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 5 seconds



ELISA

Recommended dilution: 5000-10000

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