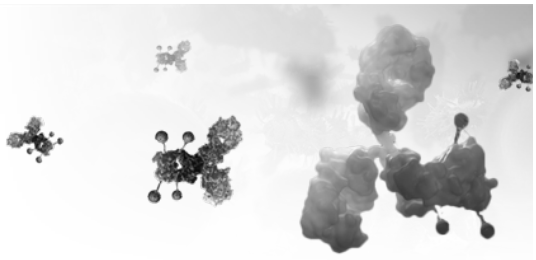

Anti-KCNMB3 (aa 82-181) polyclonal antibody (DPAB-DC1346)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	KCNMB3 (NP_741979, 82 a.a. ~ 181 a.a) partial recombinant protein with GST tag. The sequence is FMLSIQREESTCTAIHTDIMDDWLDCAFTCGVHCHGQGKYPCLQVFVNLSHPGQKALLHY NEEAVQINPKCFYTPKCHQDRNDLLNSALDIKEFFDHKNG
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

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Gene Name	KCNMB3 potassium large conductance calcium-activated channel, subfamily M beta member 3 [Homo sapiens (human)]
Official Symbol	KCNMB3
Synonyms	KCNMB3; potassium large conductance calcium-activated channel, subfamily M beta member 3; HBETA3; KCNMB2; KCNMBL; BKBETA3; SLOBETA3; calcium-activated potassium channel subunit beta-3; slo-beta-3; K(VCA)beta-3; BK channel subunit beta-3; maxi K channel subunit beta-3; charybdotoxin receptor subunit beta-3; calcium-activated potassium channel, subfamily M subunit beta-3; large conductance, voltage and Ca2+ activated potassium channel Maxi K beta 3 subunit;
Entrez Gene ID	27094
Protein Refseq	NP_001157149
UniProt ID	Q9NPA1
Chromosome Location	3q26.3-q27
Pathway	Ca2+ activated K+ channels; Insulin secretion; Nitric oxide stimulates guanylate cyclase; Potassium Channels
Function	calcium-activated potassium channel activity; potassium channel regulator activity;

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