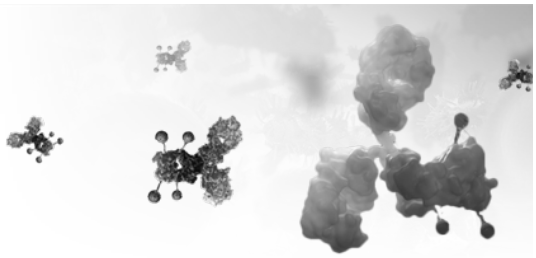

Anti-KCNMA1 polyclonal antibody (DPAB-DC1780)

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, which is the product of this gene, and the modulatory beta subunit. Intracellular calcium regulates the physical association between the alpha and beta subunits. Alternatively spliced transcript variants encoding different isoforms have been identified.
Immunogen	A synthetic peptide corresponding to human KCNMA1. The sequence is C-RESRDKQNRKEMVYR
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	ELISA,
Format	Liquid
Concentration	0.5 mg/mL
Size	100 µg
Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Preservative	0.02% Sodium Azide
Storage	Store at -20°C.Aliquot to avoid repeated freezing and thawing.

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GENE INFORMATION

Gene Name	KCNMA1 potassium large conductance calcium-activated channel, subfamily M, alpha member 1 [Homo sapiens (human)]
Official Symbol	KCNMA1
Synonyms	KCNMA1; potassium large conductance calcium-activated channel, subfamily M, alpha member 1; SLO; BKTM; SLO1; MaxiK; SAKCA; mSLO1; KCa1.1; SLO-ALPHA; bA205K10.1; calcium-activated potassium channel subunit alpha-1; hSlo; k(VCA)alpha; slo homolog; slowpoke homolog; BKCA alpha subunit; maxi-K channel HSLO; BK channel alpha subunit; stretch-activated Kca channel; calcium-activated potassium channel, subfamily M subunit alpha-1;
Entrez Gene ID	3778
Protein Refseq	NP_001014797
UniProt ID	Q12791
Chromosome Location	10q22.3
Pathway	Ca2+ activated K+ channels; Insulin secretion; Nitric oxide stimulates guanylate cyclase; Platelet homeostasis
Function	actin binding; calcium-activated potassium channel activity; large conductance calcium-activated potassium channel activity; metal ion binding

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