



# Human KCNMA1 blocking peptide (CDBP1674)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Blocking/Immunizing peptide for anti-KCNMA1 antibody
<b>Antigen Description</b>	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. [provided by RefSeq, Jul 2008]
<b>Species</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Apuri, BL, ELISA
<b>Format</b>	Lyophilized powder
<b>Size</b>	100 µg
<b>Preservative</b>	None
<b>Storage</b>	Shipped at ambient temperature, store at -20°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">KCNMA1 potassium large conductance calcium-activated channel, subfamily M, alpha member 1 [ Homo sapiens ]</a>
<b>Official Symbol</b>	KCNMA1
<b>Synonyms</b>	KCNMA1; potassium large conductance calcium-activated channel, subfamily M, alpha

member 1; SLO; calcium-activated potassium channel subunit alpha-1; BK channel alpha subunit; KCa1.1; mSLO1; hSlo; k(VCA)alpha; slo homolog; slowpoke homolog; BKCA alpha subunit; maxi-K channel HSLO; stretch-activated Kca channel; calcium-activated potassium channel, subfamily M subunit alpha-1; BKTm; SLO1; MaxiK; SAKCA; SLO-ALPHA; bA205K10.1; MGC71881; DKFZp686K1437;

Entrez Gene ID	<a href="#">3778</a>
mRNA Refseq	<a href="#">NM_001014797</a>
Protein Refseq	<a href="#">NP_001014797</a>
UniProt ID	Q12791
Chromosome Location	10q22
Pathway	Ca2+ activated K+ channels, organism-specific biosystem; Hemostasis, organism-specific biosystem; Neuronal System, organism-specific biosystem; Nitric oxide stimulates guanylate cyclase, organism-specific biosystem; Pancreatic secretion, organism-specific biosystem; Pancreatic secretion, conserved biosystem; Platelet homeostasis, organism-specific biosystem;
Function	actin binding; calcium-activated potassium channel activity; large conductance calcium-activated potassium channel activity; large conductance calcium-activated potassium channel activity; metal ion binding; nucleotide binding; potassium channel activity;