



Datasheet for ABIN7269477  
**anti-KCNMA1 antibody (AA 850-950)**



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1 Image

Overview

Quantity:	100 µL
Target:	KCNMA1
Binding Specificity:	AA 850-950
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNMA1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	KCNMA1 Rabbit pAb
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 850-950 of human KCNMA1 (NP_001258447.1).
Sequence:	SIGVLQANSQ GFTPPGMDRS SPDNSPVHGM LRQPSITTGV NIPITELVN DTNVQFLDQD DDDDPDTELY LTQPFACGTA FAVSVLDSLML SATYFNDNIL T
Isotype:	IgG
Cross-Reactivity:	Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

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Target:	KCNMA1
Alternative Name:	KCNMA1 ( <a href="#">KCNMA1 Products</a> )
Background:	<p>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.,KCNMA1,BKTM,KCa1.1,MaxiK,SAKCA,SLO,SLO-ALPHA,SLO1,bA205K10.1,hSlo,mSLO1,Epigenetics &amp; Nuclear Signaling,Cancer,Signal Transduction,Endocrine &amp; Metabolism,Immunology &amp; Inflammation,Cell Intrinsic Innate Immunity Signaling Pathway,Cardiovascular,Hypoxia,KCNMA1</p>
Molecular Weight:	17kDa/130kDa/134kDa/135kDa/137kDa/138kDa
Gene ID:	3778
UniProt:	<a href="#">Q12791</a>
Pathways:	<a href="#">Regulation of Hormone Metabolic Process</a> , <a href="#">Sensory Perception of Sound</a>

## Application Details

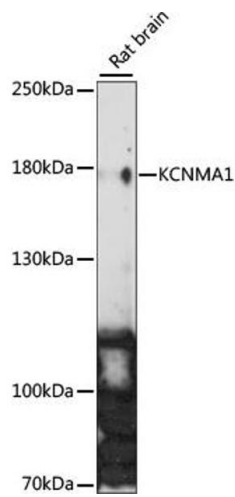
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Application Notes:	WB,1:200 - 1:2000
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



### Western Blotting

**Image 1.** Western blot analysis of extracts of Rat brain, using KCNM antibody (5283) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 90s.