Datasheet for ABIN2776143

anti-KCNMA1 antibody (C-Term)

5 Images

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Overview

Quantity:	100 µL
Target:	KCNMA1
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse, Cow, Zebrafish (Danio rerio), Rabbit, Dog, Horse, Guinea Pig, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNMA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the c terminal region of human KCNMA1
Sequence:	CFGIYRLRDA HLSTPSQCTK RYVITNPPYE FELVPTDLIF CLMQFDHNAG
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against KCNMA1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	KCNMA1

Target Details

Alternative Name:	KCNMA1 (KCNMA1 Products)
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, which is the product of this gene, and the modulatory beta subunit. Intracellular calcium regulates the physical association between the alpha and beta subunits.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. Alias Symbols: BKTM, DKFZp686K1437, KCa1.1, MGC71881, MaxiK, SAKCA, SLO, SLO-ALPHA, mSLO1, SLO1, bA205K10.1 Protein Interaction Partner: EED, TBXA2R, KCNMB1, KCNMA1, CAV3, CAV2, CAV1, ACTG2, ACTA2, ALB, CACNA1H, PTK2, MAP1A, GGT1, HMOX2, Protein Size: 1182
Molecular Weight:	131 kDa
Gene ID:	3778
NCBI Accession:	NM_001014797, NP_001014797
UniProt:	Q12791
Pathways:	Regulation of Hormone Metabolic Process, Sensory Perception of Sound

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 1182 AA
Restrictions:	For Research Use only

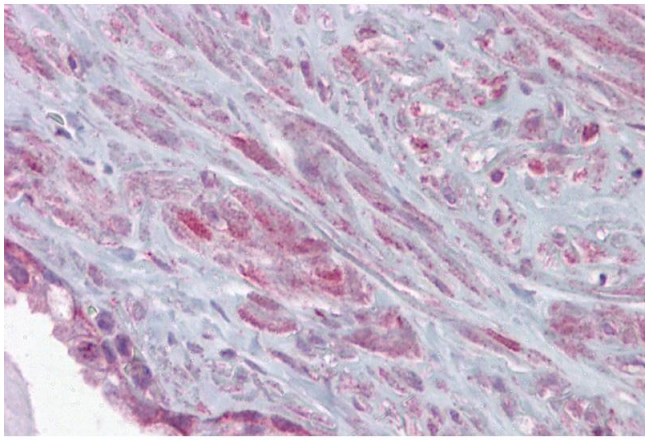
Handling

Format:	Liquid
Concentration:	Lot specific

Handling

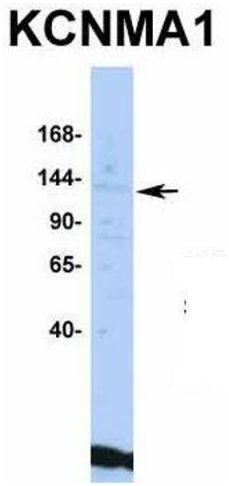
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Immunohistochemistry

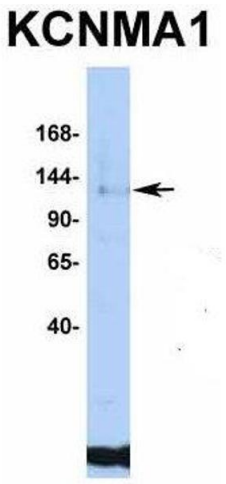
Image 1. Immunohistochemistry with Prostate tissue at an antibody concentration of 5µg/ml using anti-KCNMA1 antibody (ARP35092_P050)



Western Blotting

Image 2. Host: Rabbit Target Name: KCNMA1 Sample Type: HepG2 Antibody Dilution: 1.0ug/ml

Images



Western Blotting

Image 3. Host: Rabbit Target Name: KCNMA1 Sample Type: Jurkat Antibody Dilution: 1.0ug/ml

Please check the product details page for more images. Overall 5 images are available for ABIN2776143.