Datasheet for ABIN2776144

anti-KCNN2 antibody (C-Term)

5 Images | 1 Publication

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Overview

Quantity:	100 µL
Target:	KCNN2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio), Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNN2 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 KCNN2
Sequence:	IDHAKVRKHQ RKFLQAIHQL RSVKMEQRKL NDQANTLVDL AKTQNIMYDM
Predicted Reactivity:	Cow: 93%, Dog: 93%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 93%, Rabbit: 93%, Rat: 93%, Yeast: 100%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against KCNN2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	KCNN2

Target Details

Alternative Name:	KCNN2 (KCNN2 Products)
Background:	Action potentials in vertebrate neurons are followed by an afterhyperpolarization (AHP) that may persist for several seconds and may have profound consequences for the firing pattern of the neuron. Each component of the AHP is kinetically distinct and is mediated by different calcium-activated potassium channels. The protein encoded by KCNN2 is activated before membrane hyperpolarization and is thought to regulate neuronal excitability by contributing to the slow component of synaptic AHP. The encoded protein is an integral membrane protein that forms a voltage-independent calcium-activated channel with three other calmodulin-binding subunits. KCNN2 is a member of the KCNN family of potassium channel genes. Alias Symbols: SK2, hSK2, SKCA2, KCa2.2 Protein Interaction Partner: SRPK2, SRPK1, UBC, ACTN2, KCNN2, CALM1, Protein Size: 579
Molecular Weight:	64 kDa
Gene ID:	3781
NCBI Accession:	NM_021614, NP_067627
UniProt:	Q9H2S1

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 579 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
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.

Handling

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.

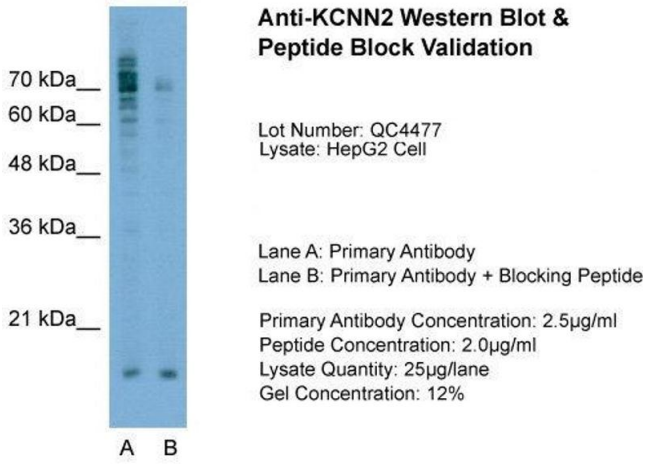
Publications

Product cited in:	Braun, Sponder, Pieper, Aschenbach, Deiner: "GABA selectively increases mucin-1 expression in isolated pig jejunum." in: **Genes & nutrition**, Vol. 10, Issue 6, pp. 47, (2015) (PubMed).

Images

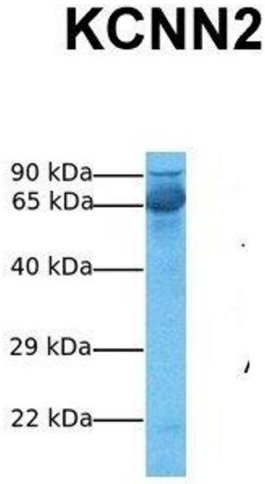
Western Blotting

Image 1. WB Suggested Anti-KCNN2 Antibody Titration: 1.25ug/ml ELISA Titer: 1:62500 Positive Control: HepG2 cell lysate



Western Blotting

Image 2. Host: Rabbit Target Name: KCNN2 Sample Type: HepG2 Lane A: Primary Antibody Lane B: Primary Antibody + Blocking Peptide Primary Antibody Concentration: 2.5ug/mL Peptide Concentration: 2.0ug/mL Lysate Quantity: 25ug/lane Gel Concentration: 12%



Western Blotting

Image 3. Host: Rabbit Target Name: KCNN2 Sample Tissue: Human Fetal Liver Antibody Dilution: 1.0ug/ml

Please check the product details page for more images. Overall 5 images are available for ABIN2776144.