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Datasheet for ABIN2776146
anti-KCNN3 antibody (C-Term)

7 Images

Overview

Quantity:	100 µL
Target:	KCNN3
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse, Dog, Cow, Guinea Pig, Rabbit, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNN3 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 KCNN3
Sequence:	ITELNDRSED LEKQIGSLES KLEHLTASFN SLPLLIADTL RQQQQQLLSA
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 93%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against KCNN3. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	KCNN3
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Target Details

Alternative Name:	KCNN3 (KCNN3 Products)
Background:	<p>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. KCNN3, a member of the KCNN family of potassium channel genes, encodes a protein that 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.</p> <p>Alias Symbols: SK3, hSK3, SKCA3, KCa2.3</p> <p>Protein Interaction Partner: UBC, RAB5A, DNM2, CAV1, APP, CALM1,</p> <p>Protein Size: 736</p>
Molecular Weight:	81 kDa
Gene ID:	3782
NCBI Accession:	NM_002249 , NP_002240
UniProt:	Q9UGI6

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 736 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.

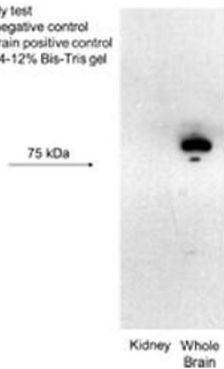
Images



Western Blotting

Image 1. WB Suggested Anti-KCNN3 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Daudi cell lysate KCNN3 is supported by BioGPS gene expression data to be expressed in Daudi

KCNN3 antibody test
Mouse kidney negative control
Mouse whole brain positive control
NuPage novex 4-12% Bis-Tris gel

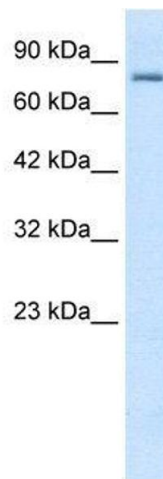


EDF1 (ARP35097_P050)
Western Blot
Dilution: 2ug/ml
Application data in forum

Submitted by:
Michael White
Texas A&M University

Western Blotting

Image 2.



Western Blotting

Image 3. WB Suggested Anti-KCNN3 Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:2500 Positive Control: Daudi cell lysate KCNN3 is supported by BioGPS gene expression data to be expressed in Daudi

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN2776146.