

Rabbit KCNN3 Polyclonal Antibody | anti-KCNN3 antibody

KCNN3 antibody - C-terminal region

CATALOG # AAA197917	HOST Rabbit	REACTIVITY Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

KCNN3; Polyclonal Antibody; KCNN3 antibody - C-terminal region; anti-KCNN3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: IT ELNDRSEDLK QIGSLESKL EHLTASFNSL PLIADTLRQ QQQQLLSA
Sequence Length	736
Applicable Applications for anti-KCNN3 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 93%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human KCNN3
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



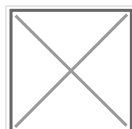
WB (Western Blot)

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



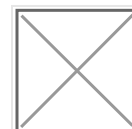
WB (Western Blot)

KCNN3 antibody - C-terminal region validated by WB using Mouse kidney, Whole brain lysate at 2 ug/ml.



WB (Western Blot)

Host: Rabbit
Target Name: KCNN3
Sample Tissue: Human THP-1 Whole Cell
Antibody Dilution: 1ug/ml



IHC (Immunohistochemistry)

Sample Type: Rhesus macaque spinal cord
Primary Antibody Dilution: 1:300
Secondary Antibody: Donkey anti Rabbit 488
Secondary Antibody Dilution: 1:500
Color/Signal Descriptions: Green: KCNN3
Gene Name: KCNN3
Submitted by: Timur Mavlyutov, Ph. D., Department of Pharmacology, University of Wisconsin Medical School, 1300 University Avenue, Madison, WI 53706



IHC (Immunohistochemistry)

Rabbit Anti-KCNN3 Antibody
Formalin Fixed Paraffin Embedded Tissue: Human Adult heart
Observed Staining: Membrane
Primary Antibody Concentration: 1:600
Secondary Antibody: Donkey anti-Rabbit-Cy2/3
Secondary Antibody Concentration: 1:200
Magnification: 20X
Exposure Time: 0.5 - 2.0 sec
Protocol located in Reviews and Data.

ADDITIONAL INFORMATION

Related Product Information for anti-KCNN3 antibody	This is a rabbit polyclonal antibody against KCNN3. It was validated on Western Blot using a cell lysate as a positive control. Target Description: 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.
Product Categories/Family for anti-KCNN3 antibody	Polyclonal; Ion Channel; Neurobiology; Membrane Protein; Membrane & Traffic; DNA/RNA/Protein Interactions

NCBI AND UNIPROT INFORMATION

NCBI GI #	116805330
NCBI GeneID	3782
NCBI Accession #	NP_002240
NCBI GenBank Nucleotide #	NM_002249
UniProt Accession #	Q9UGI6
Molecular Weight	81kDa
NCBI Official Full Name	small conductance calcium-activated potassium channel protein 3 isoform a
NCBI Official Synonym Full Names	potassium calcium-activated channel subfamily N member 3
NCBI Official Symbol	KCNN3
NCBI Official Synonym Symbols	SK3; hSK3; SKCA3; KCa2.3
NCBI Protein Information	small conductance calcium-activated potassium channel protein 3
UniProt Protein Name	Small conductance calcium-activated potassium channel protein 3
UniProt Gene Name	KCNN3
UniProt Synonym Gene Names	K3; SK3; SKCa 3; SKCa3
UniProt Entry Name	KCNN3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/kcnn3-antibody-immunohistochemistry-western-blot-elisa/197917>