

Rabbit KCNN2 Polyclonal Antibody | anti-KCNN2 antibody

KCNN2 antibody - C-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197916	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Yeast, Zebrafish, Monkey	Western Blot, Immunohistochemistry

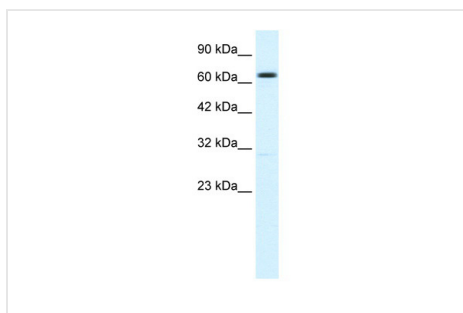
PRODUCT SYNONYMS

KCNN2; Polyclonal Antibody; KCNN2 antibody - C-terminal region; anti-KCNN2 antibody

PRODUCT SPECIFICATIONS

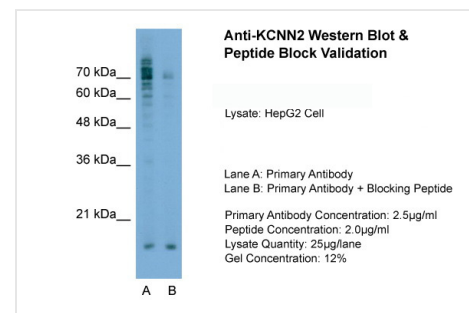
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Yeast, Zebrafish, Monkey
Clonality	Polyclonal
Purity/Purification	Protein A purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: ID HAKVRKHQRK FLQAIHQLRS VKMEQRKLND QANTLVDLAK TQNIMYDM
Sequence Length	579
Applicable Applications for anti-KCNN2 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 93%; Dog: 93%; Guinea Pig: 93%; Horse: 93%; Human: 100%; Mouse: 93%; Rabbit: 93%; Rat: 93%; Yeast: 100%; Zebrafish: 93%
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human KCNN2
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



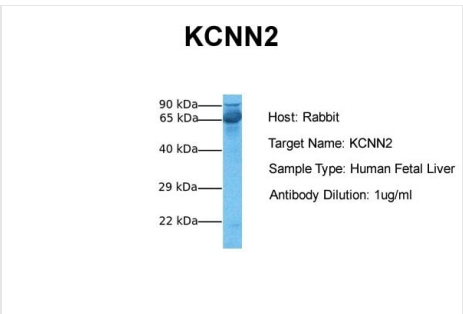
WB (Western Blot)

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



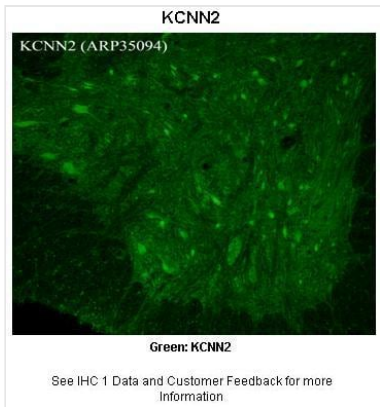
WB (Western Blot)

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%



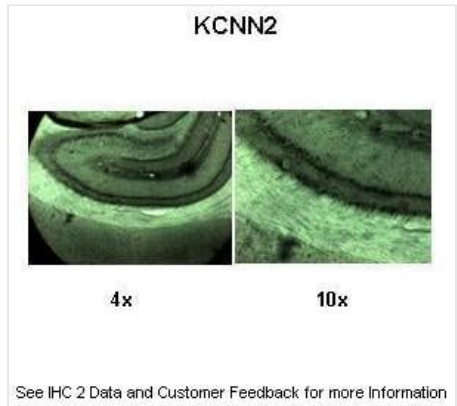
WB (Western Blot)

Host: RabbitTarget Name: KCNN2Sample Tissue: Human Fetal LiverAntibody Dilution: 1.0ug/ml



IHC (Immunohistochemistry)

Sample Type :Rhesus macaque spinal cordPrimary Antibody Dilution :1:300Secondary Antibody :Donkey anti Rabbit 488Secondary Antibody Dilution :1:500Color/Signal Descriptions :Green: KCNN2Gene Name :KCNN2Submitted by :Timur Mavlyutov, Ph. D., Department of Pharmacology, University of Wisconsin Medical School



IHC (Immunohistochemistry)

Lanes:Rat brain sectionPrimary Antibody Dilution:1:500Secondary Antibody:Anti-rabbit-biotin, streptavidin-diaminobenzidineSecondary Antibody Dilution:1:500Gene Name:KCNN2Submitted by:Dr. Amiel Rosenkranz, Rosalind Franklin University

ADDITIONAL INFORMATION

Related Product Information for anti-KCNN2 antibody	This is a rabbit polyclonal antibody against KCNN2. 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. 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.
Product Categories/Family for anti-KCNN2 antibody	Polyclonal ; Membrane & Traffic ; DNA/RNA/Protein Interactions

NCBI AND UNIPROT INFORMATION

NCBI GI #	25777645
NCBI GeneID	3781
NCBI Accession #	NP_067627
NCBI GenBank Nucleotide #	NM_021614

UniProt Accession #	Q9H2S1
Molecular Weight	64kDa
NCBI Official Full Name	small conductance calcium-activated potassium channel protein 2 isoform a
NCBI Official Synonym Full Names	potassium calcium-activated channel subfamily N member 2
NCBI Official Symbol	KCNN2
NCBI Official Synonym Symbols	SK2; hSK2; SKCA2; KCa2.2; SKCa 2
NCBI Protein Information	small conductance calcium-activated potassium channel protein 2
UniProt Protein Name	Small conductance calcium-activated potassium channel protein 2
UniProt Gene Name	KCNN2
UniProt Synonym Gene Names	SK2; SKCa 2; SKCa2
UniProt Entry Name	KCNN2_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/kcnn2-antibody-western-blot-immunohistochemistry-elisa/197916>