Rabbit KCNN3 Polyclonal Antibody | anti-KCNN3 antibody

KCNN3 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA175023	**Rabbit**	**Human, Mouse, Rat**	**ELISA, Immunohistochemistry**

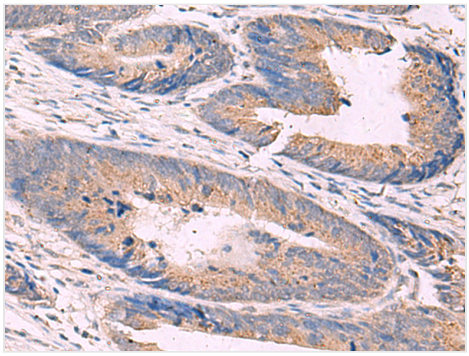
PRODUCT SYNONYMS

KCNN3; Polyclonal Antibody; KCNN3 Polyclonal Antibody; hSK3; KCa2.3; Kcnn3; Potassium calcium activated channel subfamily N member 3; Potassium channel calcium activated intermediate/small conductance subfamily N alpha member 3; Potassium channel; Calcium activated; Intermediate/small conductance; Subfamily N; Member 3; Potassium intermediate/small conductance calcium activated channel subfamily N member 3; SK3; SKCa 3; SKCa3; Small conductance calcium-activated potassium channel protein 3; anti-KCNN3 antibody

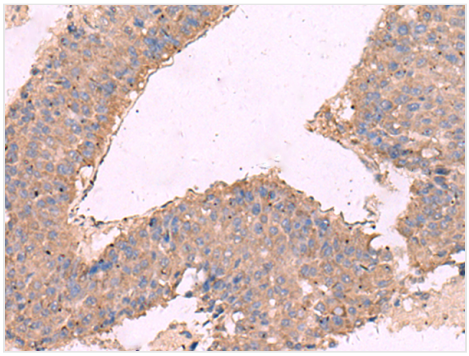
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purification
Form/Format	PBS with 0.05% NaN3 and 40% Glycerol, pH7.4
Concentration	1.08mg/mL (varies by lot)
Sequence Length	746
Applicable Applications for anti-KCNN3 antibody	ELISA, IHC (Immunohistochemistry)
Immunogen	Synthetic peptide of human KCNN3
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using KCNN3 Polyclonal Antibody at dilution of 1:40(×200



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded Human liver cancer tissue using KCNN3 Polyclonal Antibody at dilution of 1:40(×200

ADDITIONAL INFORMATION

Related Product Information for anti-KCNN3 antibody	KCNN3 (Potassium Calcium-Activated Channel Subfamily N Member 3) is a Protein Coding gene. Diseases associated with KCNN3 include Spinocerebellar Ataxia 2 and Bipolar Disorder. Among its related pathways are Insulin secretion and Transmission across Chemical Synapses. GO annotations related to this gene include protein heterodimerization activity and calcium-activated potassium channel activity. An important paralog of this gene is KCNN2.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. This gene belongs to the KCNN family of potassium channels. It encodes an integral membrane protein that forms a voltage-independent calcium-activated channel, which is thought to regulate neuronal excitability by contributing to the slow component of synaptic AHP. This gene contains two CAG repeat regions in the coding sequence. It was thought that expansion of one or both of these repeats could lead to an increased susceptibility to schizophrenia or bipolar disorder, but studies indicate that this is probably not the case. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-KCNN3 antibody	Neuroscience; Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	323276683
NCBI GeneID	3782
NCBI Accession #	NP_001191016.1
NCBI GenBank Nucleotide #	NP_001191016.1
UniProt Accession #	Q9UGI6
NCBI Official Full Name	small conductance calcium-activated potassium channel protein 3 isoform c
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.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/kcnn3-antibody-immunohistochemistry-elisa/175023