KCNN3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	KCNN3, Polyclonal Antibody
Full Product Name	KCNN3 Antibody, HRP Conjugated
Product Gene Name	anti-KCNN3 antibody
Product Synonym Names	Small conductance calcium-activated potassium channel protein 3; SK3; SKCa 3; SKCa3; KCa2.3; KCNN3; K3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95% Protein G Purified
Preparation and Storage	Upon receipt, store at-20 degree C or-80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: KCNN3 (MBS7114594) HRP Conjugated Antibody: KCNN3 (MBS7114595)
Molecular Weight	48,050 Da
3D Structure	ModBase 3D Structure for Q9UGI6
Immunogen Species	Human
Immunogen	Recombinant Human Small conductance calcium-activated potassium channel protein 3 protein (240-426AA)
Conjugate	HRP
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, pH 7.4
Product Categories/Family for anti-KCNN3 antibody	Neuroscience
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-KCNN3 antibody	ELISA (EIA)
Related Product Information for anti-KCNN3 antibody	MBS7114595 is an antibody targeting KCNN3. Also known as KCNN3 Antibody, HRP Conjugated. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-KCNN3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KCNN3. It may not necessarily be applicable to this product.

NCBI GI #	323276683

NCBI GeneID	3782
NCBI Accession #	NP_001191016.1
UniProt Primary Accession #	Q9UGI6
UniProt Secondary Accession #	O43517; Q86VF9; Q8WXG7; B1ANX0
UniProt Related Accession #	Q9UGI6
GenBank Nucleotide #	NM_001204087.1
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
UniProt Protein Name	Small conductance calcium-activated potassium channel protein 3
UniProt Synonym Protein Names	KCa2.3
Protein Family	Small conductance calcium-activated potassium channel protein
UniProt Gene Name	KCNN3
UniProt Synonym Gene Names	K3; SK3; SKCa 3; SKCa3
NCBI Protein Information	small conductance calcium-activated potassium channel protein 3
NCBI Summary for KCNN3	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. [provided by RefSeq, Feb 2011]
UniProt Comments for KCNN3	Forms a voltage-independent potassium channel activated by intracellular calcium. Activation is followed by membrane hyperpolarization. Thought to regulate neuronal excitability by contributing to the slow component of synaptic afterhyperpolarization. The channel is blocked by apamin.
Research Articles on KCNN3	**1.** SK3 expression was strongly reduced in the Hirschsprung disease patient intestines, both in the ganglionic and aganglionic bowel, compared to the control intestines.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.

Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/kcnn3/7114595