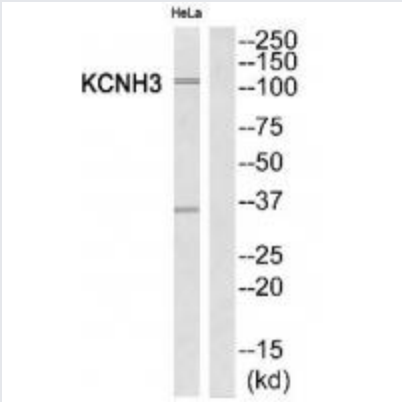
KCNH3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	KCNH3, Polyclonal Antibody
Full Product Name	KCNH3 Antibody
Product Gene Name	anti-KCNH3 antibody
Product Synonym Names	BEC1; Brain-specific eag-like channel 1; ELK channel 2; ELK2; ether-a-go-go K(+) channel family member
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration	1.0 mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of total KCNH3 protein.
Preparation and Storage	Store at -20 degree C
Molecular Weight	117,129 Da
OMIM	604527
3D Structure	ModBase 3D Structure for Q9ULD8
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from Internal of human KCNH3.
Target Name	KCNH3
Product Categories/Family for anti-KCNH3 antibody	Total protein Ab
Applications Tested/Suitable for anti-KCNH3 antibody	Western Blot (WB)
Application Notes for anti-KCNH3 antibody	Western blotting: 1:500~1:3000
Related Product Information for anti-KCNH3 antibody	Pore-forming (alpha) subunit of voltage-gated potassium channel. Elicits an outward current with fast inactivation. Channel properties may be modulated by cAMP and subunit assembly.Miyake A., J. Biol. Chem. 274:25018-25025(1999).Nagase T., DNA Res. 6:337-345(1999).
Other Notes	Small volumes of anti-KCNH3 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.
Searchable Terms for KCNH3 purchase	MBS9408501 is an antibody targeting KCNH3. Also known as KCNH3 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-KCNH3 antibody
Western blot analysis of extracts from HeLa cells, using KCNH3 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KCNH3. It may not necessarily be applicable to this product.

NCBI GI #	38569493
NCBI GeneID	23416
NCBI Accession #	NP_036416.1
UniProt Primary Accession #	Q9ULD8
UniProt Secondary Accession #	Q9UQ06
UniProt Related Accession #	Q9ULD8
GenBank Nucleotide #	NM_012284.1
NCBI Official Full Name	potassium voltage-gated channel subfamily H member 3
NCBI Official Synonym Full Names	potassium channel, voltage gated eag related subfamily H, member 3
NCBI Official Symbol	KCNH3
NCBI Official Synonym Symbols	BEC1; ELK2; Kv12.2
UniProt Protein Name	Potassium voltage-gated channel subfamily H member 3
UniProt Synonym Protein Names	Brain-specific eag-like channel 1; BEC1; Ether-a-go-go-like potassium channel 2; ELK channel 2; ELK2; Voltage-gated potassium channel subunit Kv12.2
Protein Family	Potassium voltage-gated channel subfamily
UniProt Gene Name	KCNH3
UniProt Synonym Gene Names	KIAA1282; BEC1; ELK channel 2; ELK2
UniProt Entry Name	KCNH3_HUMAN
NCBI Protein Information	potassium voltage-gated channel subfamily H member 3

UniProt Comments for KCNH3	Kv12.2: Pore-forming (alpha) subunit of voltage-gated potassium channel. Elicits an outward current with fast inactivation. Channel properties may be modulated by cAMP and subunit assembly. Belongs to the potassium channel family. H (Eag) (TC 1.A.1.20) subfamily. Kv12.2/KCNH3 sub-subfamily. Protein type: Membrane protein, multi-pass; Membrane protein, integral Chromosomal Location of Human Ortholog: 12q13 Cellular Component: integral to plasma membrane; integral to membrane; plasma membrane Molecular Function: voltage-gated potassium channel activity; protein binding; two-component sensor activity Biological Process: synaptic transmission; regulation of membrane potential; two-component signal transduction system (phosphorelay); potassium ion transport
Research Articles on KCNH3	**1.** report on the binding of HIV-1 gp120 to the cytoplasmic C-terminus of the voltage-gated potassium channel BEC1, an interaction that can result in the repression of BEC's activity and the inhibition of HIV-1 particle-release
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-mouse-rat-antibody/kcnh3/9408501