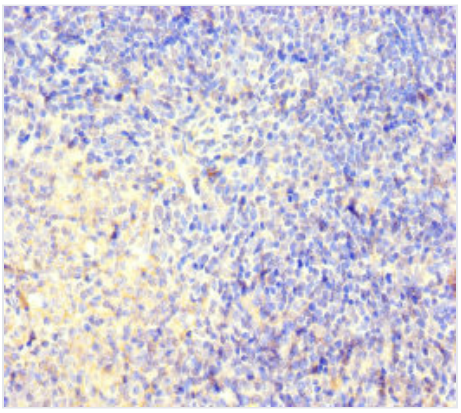
CNGA4 Antibody – Rabbit Polyclonal

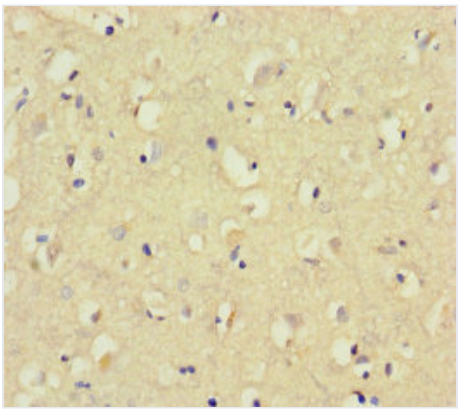
PRODUCT OVERVIEW

Product Name	CNGA4, Polyclonal Antibody
Full Product Name	CNGA4 Antibody
Product Gene Name	anti-CNGA4 antibody
Product Synonym Names	Cyclic nucleotide-gated cation channel alpha-4; Cyclic nucleotide-gated channel alpha-4; CNG channel alpha-4; CNG-4; CNG4; CNGA4
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%,Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.
Matching Pairs	Unconjugated Antibody: CNGA4 (MBS7006790) FITC Conjugated Antibody: CNGA4 (MBS7000186)
Matching Pairs	Unconjugated Antibody: CNGA4 (MBS7006790) Biotin Conjugated Antibody: CNGA4 (MBS7002192)
Matching Pairs	Unconjugated Antibody: CNGA4 (MBS7006790) HRP Conjugated Antibody: CNGA4 (MBS7005014)
Molecular Weight	47,743 Da
OMIM	609472
3D Structure	ModBase 3D Structure for Q8IV77
Immunogen	Recombinant human Cyclic nucleotide-gated cation channel alpha-4 protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-167508
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CNGA4 antibody	ELISA (EIA), Immunohistochemistry (IHC)
Related Product Information for anti-CNGA4 antibody	Second messenger, cAMP, causes the opening of cation-selective cyclic nucleotide-gated (CNG) channels and depolarization of the neuron (olfactory sensory neurons, OSNs). CNGA4 is the modulatory subunit of this channel which is known to play a central role in the transduction of odorant signals and subsequent adaptation. By accelerating the calcium-mediated negative feedback in olfactory signaling it allows rapid adaptation to odor stimulation and extends its range of odor detection.
Other Notes	Small volumes of anti-CNGA4 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 CNGA4 purchase	MBS7006790 is an antibody targeting CNGA4. Also known as CNGA4 Antibody. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-CNGA4 antibody
Immunohistochemistry of paraffin-embedded human pancreatic tissue using MBS7006790 at dilution of 1:100



Immunohistochemistry (IHC) of anti-CNGA4 antibody
Immunohistochemistry of paraffin-embedded human brain tissue using MBS7006790 at dilution of 1:100

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CNGA4. It may not necessarily be applicable to this product.

NCBI GI #	82617546
NCBI GeneID	1262
NCBI Accession #	NP_001032406.1
UniProt Primary Accession #	Q8IV77
UniProt Related Accession #	Q8IV77
GenBank Nucleotide #	NM_001037329.3
NCBI Official Full Name	cyclic nucleotide-gated cation channel alpha-4
NCBI Official Synonym Full Names	cyclic nucleotide gated channel alpha 4
NCBI Official Symbol	CNGA4
NCBI Official Synonym Symbols	CNG4; CNG5; CNCA2; CNG-4; CNGB2; OCNC2; OCNCb; OCNCBETA
UniProt Protein Name	Cyclic nucleotide-gated cation channel alpha-4
UniProt Synonym Protein Names	Cyclic nucleotide-gated channel alpha-4; CNG channel alpha-4; CNG-4; CNG4
Protein Family	Cyclic nucleotide-gated cation channel
UniProt Gene Name	CNGA4
UniProt Synonym Gene Names	CNG channel alpha-4; CNG-4; CNG4
UniProt Entry Name	CNGA4_HUMAN
NCBI Protein Information	cyclic nucleotide-gated cation channel alpha-4
NCBI Summary for CNGA4	CNGA4 is a modulatory subunit of vertebrate cyclic nucleotide-gated membrane channels that transduce odorant signals (Munger et al., 2001 [PubMed 11739959]).[supplied by OMIM, Mar 2008]

UniProt Comments for CNGA4	CNGA4: Second messenger, cAMP, causes the opening of cation- selective cyclic nucleotide-gated (CNG) channels and depolarization of the neuron (olfactory sensory neurons, OSNs). CNGA4 is the modulatory subunit of this channel which is known to play a central role in the transduction of odorant signals and subsequent adaptation. By accelerating the calcium-mediated negative feedback in olfactory signaling it allows rapid adaptation to odor stimulation and extends its range of odor detection. Belongs to the cyclic nucleotide-gated cation channel (TC 1.A.1.5) family. CNGA4 subfamily. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, multi-pass; Membrane protein, integral Chromosomal Location of Human Ortholog: 11p15.4 Cellular Component: Golgi membrane; intracellular cyclic nucleotide activated cation channel complex; perikaryon Molecular Function: cAMP binding; cGMP binding; intracellular cAMP activated cation channel activity; intracellular cGMP activated cation channel activity; voltage-gated potassium channel activity Biological Process: organelle organization and biogenesis; protein heterotetramerization; regulation of membrane potential; response to stimulus; sensory perception of smell
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/cnga4/7006790