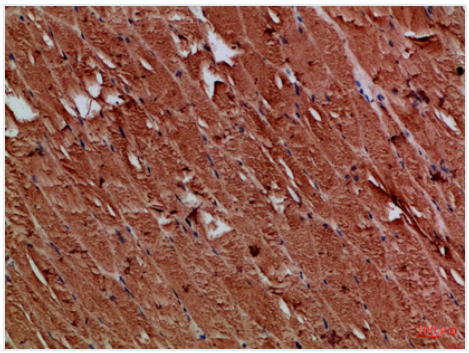
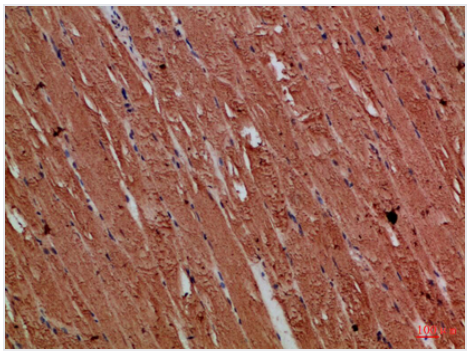
CNPY3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

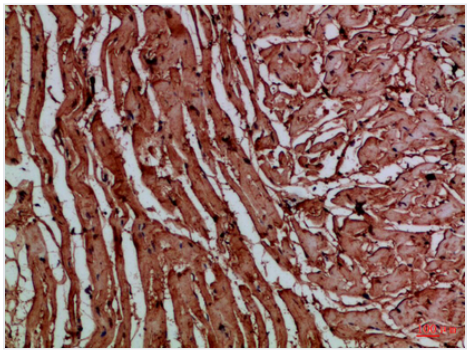
Product Name	CNPY3, Polyclonal Antibody
Full Product Name	CNPY3 Rabbit Polyclonal Antibody
Product Gene Name	anti-CNPY3 antibody
Product Synonym Gene Name	CTG4A, ERDA5, PRAT4A, TNRC5, HSPC084, UNQ1934/PRO4409
Product Synonym Names	Protein canopy homolog 3 (CTG repeat protein 4a)(Expanded repeat-domain protein CAG/CTG 5)(Protein associated with TLR4)(Trinucleotide repeat-containing gene 5 protein); BH6842; Protein canopy homolog 3 (CTG repeat protein 4a)(Expanded repeat-domain protein CAG/CTG 5)(Protein associated with TLR4)(Trinucleotide repeat-containing gene 5 protein)
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration	1mg/ml (lot specific)
Specificity	The antibody detects endogenous CNPY3
Preparation and Storage	Store at -20 degree C/1 year
Molecular Weight	278
OMIM	610774
3D Structure	ModBase 3D Structure for Q9BT09
Immunogen	Synthetic peptide from human protein at AA range: 1-50
Modification	Unmodified/Total
Applications Tested/Suitable for anti-CNPY3 antibody	Immunohistochemistry-Paraffin (IHC-P), Immunofluorescence (IF)(paraffin section), ELISA (EIA)
Application Notes for anti-CNPY3 antibody	IHC-p: 1:50-200 ELISA: 1:10000-20000
Related Product Information for anti-CNPY3 antibody	canopy FGF signaling regulator 3 (CNPY3) Homo sapiens This gene encodes a protein that binds members of the toll-like receptor protein family and functions as a chaperone to aid in folding and export of these proteins. Alternative splicing results in multiple transcript variants. Naturally occuring readthrough transcription occurs between this locus and the downstream GNMT (glycine N-Methyltransferase) gene and is represented with GeneID:107080644. [provided by RefSeq, Jan 2016]
Other Notes	Small volumes of anti-CNPY3 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 CNPY3 purchase	MBS9512688 is an antibody targeting CNPY3. Also known as CNPY3 Rabbit Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit.



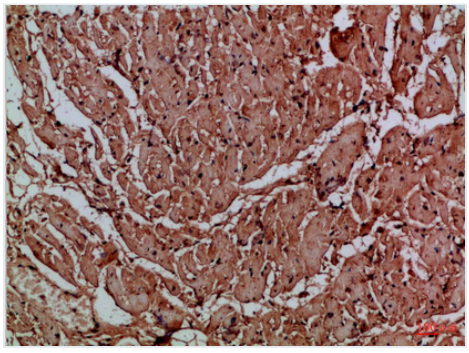
Immunohistochemistry (IHC) of anti-CNPY3 antibody
Immunohistochemical analysis of paraffin-embedded Human-skeletal-muscle, antibody was diluted at 1:100



Immunohistochemistry (IHC) of anti-CNPY3 antibody
Immunohistochemical analysis of paraffin-embedded Human-skeletal-muscle, antibody was diluted at 1:100



Immunohistochemistry (IHC) of anti-CNPY3 antibody
Immunohistochemical analysis of paraffin-embedded Human-heart, antibody was diluted at 1:100



Immunohistochemistry (IHC) of anti-CNPY3 antibody
Immunohistochemical analysis of paraffin-embedded Human-heart, antibody was diluted at 1:100

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CNPY3. It may not necessarily be applicable to this product.

NCBI GI #	74752319
NCBI GeneID	10695
NCBI Accession #	Q9BT09.1
UniProt Primary Accession #	Q9BT09
UniProt Secondary Accession #	O15412; Q0P6I2; Q8NF54; Q8WTU8; Q9P0F2
UniProt Related Accession #	Q9BT09
NCBI Official Full Name	Protein canopy homolog 3
NCBI Official Synonym Full Names	canopy FGF signaling regulator 3
NCBI Official Symbol	CNPY3
NCBI Official Synonym Symbols	CAG4A; ERDA5; TNRC5; PRAT4A
UniProt Protein Name	Protein canopy homolog 3
UniProt Synonym Protein Names	CTG repeat protein 4a; Expanded repeat-domain protein CAG/CTG 5; Protein associated with TLR4; Trinucleotide repeat-containing gene 5 protein
Protein Family	Protein canopy
UniProt Gene Name	CNPY3
UniProt Synonym Gene Names	CTG4A; ERDA5; PRAT4A; TNRC5
UniProt Entry Name	CNPY3_HUMAN

NCBI Protein Information	protein canopy homolog 3; canopy 3 homolog; CAG repeat containing; CTG repeat protein 4a; protein associated with TLR4; expanded repeat domain, CAG/CTG 5; trinucleotide repeat containing 5; expanded repeat-domain protein CAG/CTG 5; protein associated with
NCBI Summary for CNPY3	PRAT4A is associated with the immature form of TLR4 (MIM 603030) and regulates its cell surface expression (Wakabayashi et al., 2006 [PubMed 16849487]).[supplied by OMIM, Mar 2008]
UniProt Comments for CNPY3	TNRC5: Toll-like receptor (TLR)-specific co-chaperone for HSP90B1. Required for proper TLR folding, except that of TLR3, and hence controls TLR exit from the endoplasmic reticulum. Consequently, required for both innate and adaptative immune responses. Belongs to the canopy family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 6p21.1 Cellular Component: endoplasmic reticulum lumen Molecular Function: receptor binding Biological Process: toll-like receptor signaling pathway; innate immune response
Research Articles on CNPY3	**1.** a mechanism for the differential trafficking of TLR1 I602S variants, and highlight the distinct roles for PRAT4A and PRAT4B in the regulation of TLR1 surface expression.
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-antibody/cnpy3/9512688