CAPN12 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CAPN12, Polyclonal Antibody
Full Product Name	CAPN12 (Calpain-12, 3422-, Calcium-Activated neutral Proteinase 12, CANP 12, CAPN12) (MaxLight 750)
Product Gene Name	anti-CAPN12 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified
Specificity	Recognizes human CAPN12. Species Crossreactivity: human
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	81,037 Da
Chromosome Location	Chromosome: 19; NC_000019.9 (39220832..39235114, complement). Location: 19q13.2
OMIM	608839
3D Structure	ModBase 3D Structure for Q6ZSI9
Immunogen	Synthetic peptide corresponding to CAPN12.
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-CAPN12 antibody	Antibodies; Calpain
Applications Tested/Suitable for anti-CAPN12 antibody	Western Blot (WB)
Application Notes for anti-CAPN12 antibody	WB: 1:1000 Applications are based on unconjugated antibody.
Related Product Information for anti-CAPN12 antibody	MBS6454774 is an antibody targeting CAPN12. Also known as CAPN12 (Calpain-12, 3422-, Calcium-Activated neutral Proteinase 12, CANP 12, CAPN12) (MaxLight 750). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-CAPN12 antibody	Ota T., et al. Nat. Genet. 36:40-45(2004).
Other Notes	Small volumes of anti-CAPN12 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 CAPN12. It may not necessarily be applicable to this product.

NCBI GI #	38707981
NCBI GeneID	147968
NCBI Accession #	NP_653292.2
UniProt Primary Accession #	Q6ZSI9
UniProt Related Accession #	Q6ZSI9
GenBank Nucleotide #	NM_144691.3
NCBI Official Full Name	calpain-12
NCBI Official Synonym Full Names	calpain 12
NCBI Official Symbol	CAPN12
UniProt Protein Name	Calpain-12
UniProt Synonym Protein Names	Calcium-activated neutral proteinase 12
Protein Family	Calpain
UniProt Gene Name	CAPN12
UniProt Synonym Gene Names	CANP 12
UniProt Entry Name	CAN12_HUMAN
NCBI Protein Information	calpain-12; CANP 12; calcium-activated neutral proteinase 12
NCBI Summary for CAPN12	The calpains, calcium-activated neutral proteases, are nonlysosomal, intracellular cysteine proteases. The mammalian calpains include ubiquitous, stomach-specific, and muscle-specific proteins. The ubiquitous enzymes consist of heterodimers with distinct large, catalytic subunits associated with a common small, regulatory subunit. This gene encodes a member of the calpain large subunit family. [provided by RefSeq, Jun 2012]
UniProt Comments for CAPN12	CAPN12: Calcium-regulated non-lysosomal thiol-protease. Belongs to the peptidase C2 family. Protein type: EC 3.4.22.-; Protease Chromosomal Location of Human Ortholog: 19q13.2 Cellular Component: cytoplasm Molecular Function: calcium-dependent cysteine-type endopeptidase activity; calcium ion binding Biological Process: proteolysis
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/capn12/6454774