CLTB Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CLTB, Polyclonal Antibody
Full Product Name	CLTB (CLTB, Clathrin light chain B) (MaxLight 750)
Product Gene Name	anti-CLTB antibody
Product Synonym Names	CLTB; Clathrin light chain B
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 by Protein A Affinity Chromatography.
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	25,190 Da
Chromosome Location	Chromosome: 5; NC_000005.9 (175819456..175843540, complement). Location: 4q2-q3; 5q35
OMIM	118970
3D Structure	ModBase 3D Structure for P09497
Immunogen	CLTB antibody is generated from rabbits immunized with a recombinant protein from human CLTB.
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-CLTB antibody	Antibodies; Clathrin
Applications Tested/Suitable for anti-CLTB antibody	Western Blot (WB), FLISA
Application Notes for anti-CLTB antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-CLTB antibody	Clathrin is a large, soluble protein composed of heavy and light chains. It functions as the main structural component of the lattice-type cytoplasmic face of coated pits and vesicles which entrap specific macromolecules during receptor-mediated endocytosis. This gene encodes one of two clathrin light chain proteins which are believed to function as regulatory elements. Alternative splicing results in multiple transcript variants.
Product References and Citations for anti-CLTB antibody	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010). Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009). Martins-de-Souza, D., et al. J Neural Transm 116(3):275-289(2009). Loerke, D., et al. Traffic 6(10):918-929(2005). Chen, C.Y., et al. J. Biol. Chem. 280(7):6109-6117(2005).

Other Notes	Small volumes of anti-CLTB 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 CLTB purchase	MBS6286974 is an antibody targeting CLTB. Also known as CLTB (CLTB, Clathrin light chain B) (MaxLight 750). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	6005995
NCBI GeneID	1212
NCBI Accession #	NP_009028.1
NCBI Related Accession #	NP_001825.1
UniProt Primary Accession #	P09497
UniProt Secondary Accession #	Q53Y37; Q6FHW1
UniProt Related Accession #	P09497
GenBank Nucleotide #	NM_007097.2
NCBI Official Full Name	clathrin light chain B isoform b
NCBI Official Synonym Full Names	clathrin, light chain B
NCBI Official Symbol	CLTB
NCBI Official Synonym Symbols	LCB
UniProt Protein Name	Clathrin light chain B
Protein Family	Clathrin
UniProt Gene Name	CLTB
UniProt Synonym Gene Names	Lcb
UniProt Entry Name	CLCB_HUMAN
NCBI Protein Information	clathrin light chain B; OTTHUMP00000161245; OTTHUMP00000161246; clathrin, light chain (Lcb); clathrin, light polypeptide (Lcb)
UniProt Comments for CLTB	CLTB: Clathrin is the major protein of the polyhedral coat of coated pits and vesicles. Clathrin coats are formed from molecules containing 3 heavy chains and 3 light chains. Interacts (via N-terminus) with HIP1. Interacts with HIP1R. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Vesicle Chromosomal Location of Human Ortholog: 5q35 Cellular Component: clathrin coat of trans-Golgi network vesicle; clathrin coat; intracellular membrane-bound organelle; cytoplasm; plasma membrane; trans-Golgi network; clathrin coat of coated pit Molecular Function: protein binding; structural molecule activity; peptide binding Biological Process: vesicle-mediated transport; intracellular protein transport
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/cltb/6286974