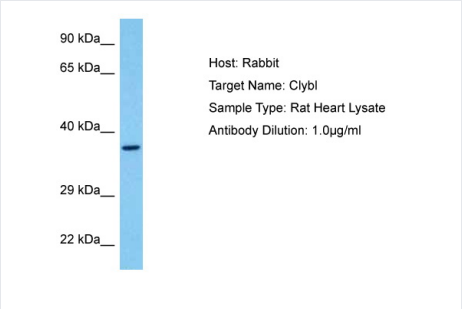
CLYBL Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CLYBL, Polyclonal Antibody
Full Product Name	CLYBL Antibody - N-terminal region
Product Gene Name	anti-CLYBL antibody
Product Synonym Gene Name	Clb; AI256068; 0610033J05Rik; 2310014M14Rik
Immunogen Sequence	Synthetic peptide located within the following region: PRRAVLYVPG NDEKKIRKIP SLKVDCAVLD CEDGVAENKK NEARLRIAKT
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Rat
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Affinity purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	CLYBL peptide (MBS3248377) is used for blocking the activity of CLYBL antibody (MBS3223795)
Molecular Weight	37 kDa
3D Structure	ModBase 3D Structure for Q5I0K3
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of rat CLYBL
Product Categories/Family for anti-CLYBL antibody	Polyclonal; Cell Biology; Mitochondria
Applications Tested/Suitable for anti-CLYBL antibody	Western Blot (WB)
Related Product Information for anti-CLYBL antibody	Mitochondrial citramalyl-CoA lyase indirectly involved in the vitamin B12 metabolism. Converts citramalyl-CoA into acetyl-CoA and pyruvate in the C5-dicarboxylate catabolism pathway. The C5-dicarboxylate catabolism pathway is required to detoxify itaconate, a vitamin B12-poisoning metabolite. Also acts as a malate synthase in vitro, converting glyoxylate and acetyl-CoA to malate. Also acts as a beta-methylmalate synthase in vitro, by mediating conversion of glyoxylate and propionyl-CoA to beta-methylmalate. Also has very weak citramalate synthase activity in vitro.
Other Notes	Small volumes of anti-CLYBL 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 CLYBL purchase	MBS3223795 is an antibody targeting CLYBL. Also known as CLYBL Antibody - N-terminal region. Reactive in Rat. Host: Rabbit.



Western Blot (WB) of anti-CLYBL antibody
Host: RabbitTarget Name: CLYBLSample Tissue: Rat Heart lysatesAntibody Dilution: 1ug/ml

ADDITIONAL DETAILS

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

NCBI GI #	256220113
NCBI GeneID	69634
NCBI Accession #	NP_083832.2
UniProt Primary Accession #	Q5I0K3
UniProt Related Accession #	Q8R4N0
GenBank Nucleotide #	NM_029556.3
NCBI Official Full Name	citramalyl-CoA lyase, mitochondrial
NCBI Official Synonym Full Names	citrate lyase beta like
NCBI Official Symbol	Clybl
NCBI Official Synonym Symbols	Clb; AI256068; 0610033J05Rik; 2310014M14Rik
UniProt Protein Name	Citrate lyase subunit beta-like protein, mitochondrial
UniProt Gene Name	Clybl
UniProt Synonym Gene Names	Citrate lyase beta-like
UniProt Entry Name	CLYBL_RAT
NCBI Protein Information	citramalyl-CoA lyase, mitochondrial; citrate lyase subunit beta-like protein, mitochondrial
UniProt Comments for CLYBL	CLYBL: Belongs to the HpcH/HpaI aldolase family. Citrate lyase beta subunit-like subfamily. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Mitochondrial; Lyase; Enzyme, misc.; EC 4.1.-.- Cellular Component: mitochondrion Molecular Function: metal ion binding; lyase activity Biological Process: metabolic process
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-rat-antibody/clybl/3223795