LACTB Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	LACTB, Polyclonal Antibody
Full Product Name	LACTB Polyclonal Antibody
Product Gene Name	anti-LACTB antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	41kDa; 60kDa
OMIM	608440
3D Structure	ModBase 3D Structure for P83111
Immunogen	Recombinant protein of human LACTB (NP_116246.2).
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-LACTB antibody	Western Blot (WB)
Application Notes for anti-LACTB antibody	WB: 1:500-1:2000
Related Product Information for anti-LACTB antibody	This gene encodes a mitochondrially-localized protein that has sequence similarity to prokaryotic beta-lactamases. Many of the residues responsible for beta-lactamase activity are not conserved in this protein, suggesting it may have a different enzymatic function. Increased expression of the related mouse gene was found to be associated with obesity. Alternative splicing results in multiple transcript variants encoding different protein isoforms.
Other Notes	Small volumes of anti-LACTB 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 LACTB purchase	MBS8573257 is an antibody targeting LACTB. Also known as LACTB Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	26051231
NCBI GeneID	114294
NCBI Accession #	NP_116246
UniProt Primary Accession #	P83111

UniProt Related Accession #	P83111
GenBank Nucleotide #	NP_116246.2
NCBI Official Full Name	serine beta-lactamase-like protein LACTB, mitochondrial isoform a
NCBI Official Synonym Full Names	lactamase beta
NCBI Official Symbol	LACTB
NCBI Official Synonym Symbols	G24; MRPL56
UniProt Protein Name	Serine beta-lactamase-like protein LACTB, mitochondrial
Protein Family	Serine beta-lactamase-like protein
UniProt Gene Name	LACTB
UniProt Synonym Gene Names	MRPL56
UniProt Entry Name	LACTB_HUMAN
NCBI Protein Information	serine beta-lactamase-like protein LACTB, mitochondrial
Research Articles on LACTB	**1.** LACTB was downexpressed in gliomas. Downregulation of LACTB predicted poor survival of glioma and promoted cell proliferation, invasion, and angiogenesis of gliomas
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