LTBP4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	LTBP4, Polyclonal Antibody
Full Product Name	LTBP4 Antibody
Product Gene Name	anti-LTBP4 antibody
Product Synonym Names	Affinity Purified Rabbit Polyclonal LTBP4 Antibody (C-terminal region); Polyclonal LTBP4 antibody; Anti-LTBP4 antibody; FLJ90018 antibody; LTBP 4; LTBP-4 antibody; LTBP4 antibody; FLJ46318 antibody; LTBP4S antibody; LTBP4L antibody; LTBP4; latent-transforming growth factor beta-binding protein 4 antibody; latent transforming growth factor beta binding protein 4 antibody; LTBP-4; LTBP-4 antibody; LTBP 4 antibody; latent transforming growth factor-beta binding protein 4L antibody
Clonality	Polyclonal
Host	Rabbit
Form/Format	Liquid; 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.
Molecular Weight	69 kDa
OMIM	604710
3D Structure	ModBase 3D Structure for Q8N2S1
Immunogen	LTBP4 antibody was raised in Rabbit using a synthetic peptide directed towards the C-terminal region of Human LTBP4 as the immunogen
Cross-Reactivity	Bovine, Dog, Horse, Rabbit
Product Categories/Family for anti-LTBP4 antibody	Cytokines & Growth Factors
Applications Tested/Suitable for anti-LTBP4 antibody	Western Blot (WB)
Related Product Information for anti-LTBP4 antibody	Transforming growth factor-beta, or TGFB, remains biologically latent after secretion, blocked from activity by its N-terminal propeptide (the latency-associated peptide, or LAP). TGFB is activated by its dissociation from LAP. The latent form of TGFB is secreted in association with a latent TGFB-binding protein, or LTBP, and assembled into the extracellular matrix. LTBPs are mainly composed of epidermal growth factor-like repeats and protein domains with 8-cysteine repeats, both of which are also found in fibrillins.
Other Notes	Small volumes of anti-LTBP4 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 LTBP4 purchase	MBS5316438 is an antibody targeting LTBP4. Also known as LTBP4 Antibody. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LTBP4. It may not necessarily be applicable to this product.

NCBI GI #	110347437
NCBI GeneID	8425

UniProt Primary Accession #	Q8N2S1
UniProt Related Accession #	Q8N2S1
GenBank Nucleotide #	NP_001036010.1
NCBI Official Full Name	latent-transforming growth factor beta-binding protein 4 isoform c
NCBI Official Synonym Full Names	latent transforming growth factor beta binding protein 4
NCBI Official Symbol	LTBP4
NCBI Official Synonym Symbols	ARCL1C; LTBP-4; LTBP4L; LTBP4S
UniProt Protein Name	Latent-transforming growth factor beta-binding protein 4
Protein Family	Latent-transforming growth factor beta-binding protein
UniProt Gene Name	LTBP4
UniProt Synonym Gene Names	LTBP-4
UniProt Entry Name	LTBP4_HUMAN
NCBI Protein Information	latent-transforming growth factor beta-binding protein 4
NCBI Summary for LTBP4	The protein encoded by this gene binds transforming growth factor beta (TGFB) as it is secreted and targeted to the extracellular matrix. TGFB is biologically latent after secretion and insertion into the extracellular matrix, and sheds TGFB and other proteins upon activation. Defects in this gene may be a cause of cutis laxa and severe pulmonary, gastrointestinal, and urinary abnormalities. Three transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, May 2010]
Research Articles on LTBP4	**1.** DMD gene mutations involving the hinge 3 region, actin-binding domain, and exons 45-49, as well as the LTBP4 IAAM haplotype, were not associated with age of left ventricular dysfunction onset inDuchenne muscular dystrophy.
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.
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