



LTBP1 Polyclonal Antibody

Catalog No	YP-Ab-06960
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	LTBP1
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	LTBP1 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Latent-transforming growth factor beta-binding protein 1;LTBP 1;TGF beta1 BP 1;TGF-beta1-BP-1;Transforming growth factor beta-1-binding protein 1;LTBP1; Latent-transforming growth factor beta-binding protein 1 (LTBP-1) (Transforming growth factor beta-1-binding protein 1) (TGF-beta1-BP-1)
Observed Band	150 kDa
Calculated Molecular Weight	1721 aa, 187 kDa
Cell Pathway	Secreted . Secreted, extracellular space, extracellular matrix .
Tissue Specificity	Expressed in the aorta (at protein level) (PubMed:17293099). Isoform Long: Expressed in fibroblasts (PubMed:17293099).
Function	domain:Associates covalently with small latent TGF-beta complex via domain TB 3.,function:May be involved in the assembly, secretion and targeting of TGFB1 to sites at which it is stored and/or activated. May play critical roles in controlling and directing the activity of TGFB1. May have a structural role in the extra cellular matrix (ECM).,PTM:Contains hydroxylated asparagine residues., PTM:The iron and 2-oxoglutarate dependent 3-hydroxylation of aspartate and asparagine is (R) stereospecific within EGF domains.,PTM:The N-terminus is blocked (isoform Short).,similarity:Belongs to the LTBP family., similarity:Contains 18 EGF-like domains.,similarity:Contains 4 TB (TGF-beta

binding) domains.,subunit:The large latent complex of TGFB1 from platelets is composed of the TGFB1 molecule non-covalently associated with a disulfide-bonded complex of a dimer of the N-terminal propeptide of the TGFB1

Background

latent transforming growth factor beta binding protein 1(LTBP1) Homo sapiens
The protein encoded by this gene belongs to the family of latent TGF-beta binding proteins (LTBPs). The secretion and activation of TGF-betas is regulated by their association with latency-associated proteins and with latent TGF-beta binding proteins. The product of this gene targets latent complexes of transforming growth factor beta to the extracellular matrix, where the latent cytokine is subsequently activated by several different mechanisms. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images