

Anti-LTBP1 antibody



Description	Unconjugated Rabbit polyclonal to LTBP1
Model	STJ192202
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Gene ID	4052
Gene Symbol	LTBP1
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	LTBP1 Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Expressed in the aorta (at protein level). Isoform Long is found in fibroblasts.
Purification	LTBP1 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Latent-transforming growth factor beta-binding protein 1 LTBP-1 Transforming growth factor beta-1-binding protein 1 TGF-beta1-BP-1
Molecular Weight	189 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG

Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:6714OMIM:150390
Alternative Names	Latent-transforming growth factor beta-binding protein 1 LTBP-1 Transforming growth factor beta-1-binding protein 1 TGF-beta1-BP-1
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 extracellular matrix (ECM).
Sequence and Domain Family	Associates covalently with small latent TGF-beta complex via domain TB 3.
Cellular Localization	Secreted.
Post-translational Modifications	Contains hydroxylated asparagine residues. Isoform Short N-terminus is blocked.; The iron and 2-oxoglutarate dependent 3-hydroxylation of aspartate and asparagine is (R) stereospecific within EGF domains. Two intrachain disulfide bonds from the TB3 domain are rearranged upon TGFB1 binding, and form interchain bonds with TGFB1 propeptide, anchoring it to the extracellular matrix.