

**ARG45369**  
**anti-LTBP1 antibody [5L38]**Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [5L38] recognizes LTBP1
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Mouse
Clonality	Monoclonal
Clone	5L38
Isotype	IgG1
Target Name	LTBP1
Species	Human
Immunogen	Recombinant Human LTBP1.
Conjugation	Un-conjugated
Alternate Names	LTBP1; Latent Transforming Growth Factor Beta Binding Protein 1; Transforming Growth Factor Beta-1-Binding Protein 1; TGF-Beta1-BP-1; Latent-Transforming Growth Factor Beta-Binding Protein 1; LTBP-1; ARCL2E

### Application Instructions

Application table	Application	Dilution
	IHC-P	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Powder
Purification	Protein G chromatography
Buffer	PBS
Reconstitution	PBS
Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

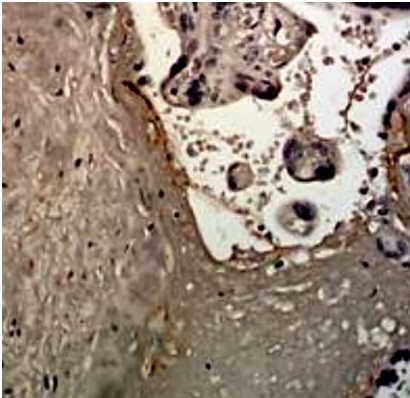
## Bioinformation

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Gene Symbol	LTBP1
Gene Full Name	Latent Transforming Growth Factor Beta Binding Protein 1
Background	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]
Function	Key regulator of transforming growth factor beta (TGFB1, TGFB2 and TGFB3) that controls TGF-beta activation by maintaining it in a latent state during storage in extracellular space
Calculated Mw	187 kDa
PTM	Disulfide bond; Glycoprotein; Hydroxylation; Phosphoprotein. [UniProt]
Cellular Localization	Extracellular matrix; Secreted. [UniProt]

## Images

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ARG45369 anti-LTBP1 antibody [5L38] IHC-P image

Immunohistochemistry: Human placental stained with ARG45369 anti-LTBP1 antibody [5L38].