

For Research Use Only

# LTBP2 Polyclonal antibody

Catalog Number: 17708-1-AP **4 Publications**



## Basic Information

<b>Catalog Number:</b> 17708-1-AP	<b>GenBank Accession Number:</b> BC078659	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 350 µg/ml by Nanodrop and 193 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 4053	
<b>Source:</b> Rabbit	<b>Full Name:</b> latent transforming growth factor beta binding protein 2	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 1821 aa, 195 kDa	
<b>Immunogen Catalog Number:</b> AG12007		

## Applications

**Tested Applications:**  
ELISA

**Cited Applications:**  
IHC, WB

**Species Specificity:**  
human

**Cited Species:**  
human, mouse

## Background Information

LTBP2, a 240 kDa extracellular glycoprotein mapping to chromosome 14q24, belongs to a family of latent TGF-β binding proteins (LTBPs) that regulates a well-known growth factor, TGF-β. LTBP2 is an elastic fiber-associating protein whose function in elastogenesis is not clear, as a DANCE binding Protein. It may play an integral structural role in elastic-fiber architectural organization and/or assembly. LTBP2 associates covalently with small latent TGF-beta complex via Repeat B and Repeat C. Defects in LTBP2 are the cause of primary congenital glaucoma type 3D (GLC3D). LTBP2 is a role in the structural stability of ciliary zonules, and growth and development of lens. LTBP2 null mutations in an autosomal recessive ocular syndrome with megalocornea, spherophakia, and secondary glaucoma. LTBP2 is a biomarker of heart failure.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yasunori Enomoto	30006483	Clin Sci (Lond)	IHC
Brice Bellessort	29692624	J Pain Res	IHC
Bai Yuanyuan Y	22515403	Biomarkers	WB,IHC

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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## Selected Validation Data