

For Research Use Only

# P3H1 Polyclonal antibody

Catalog Number: 26691-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 26691-1-AP	<b>GenBank Accession Number:</b> BC108311	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 µg/ml by Nanodrop and 367 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 64175	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> leucine proline-enriched proteoglycan (leprecan) 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 83 kDa	
<b>Immunogen Catalog Number:</b> AG24904	<b>Observed MW:</b> 83 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, IHC : human testis tissue, human placenta tissue
<b>Cited Applications:</b> IHC, WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human	

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

P3H1 (prolyl 3-hydroxylase 1, also known as LEPRE1) is a member of the leprecan family of proteins, which also include P3H2, P3H3, CRTAP and SC56. Collagen prolyl hydroxylases are required for proper collagen biosynthesis, folding, and assembly. P3H1 is localized to the endoplasmic reticulum and has prolyl 3-hydroxylase activity catalyzing the post-translational formation of 3-hydroxyproline in -Xaa-Pro-Gly- sequences in collagens, especially types IV and V. Mutations in this gene are associated with osteogenesis imperfecta type VIII.

## Notable Publications

Author	Pubmed ID	Journal	Application
Chunlei Li	36339646	J Oncol	WB, IHC

## Storage

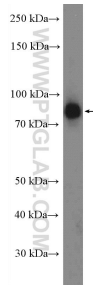
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

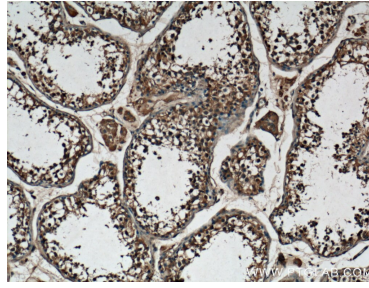
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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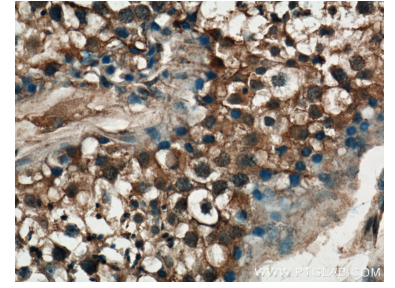
## Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 26691-1-AP (P3H1 Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 26691-1-AP (P3H1 antibody at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 26691-1-AP (P3H1 antibody at dilution of 1:200 (under 40x lens).