

For Research Use Only

P3H1 Polyclonal antibody

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



Basic Information

Catalog Number: 26691-1-AP	GenBank Accession Number: BC108311	Purification Method: Antigen affinity purification
Size: 600 µg/ml	GeneID (NCBI): 64175	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q32P28	
Isotype: IgG	Full Name: leucine proline-enriched proteoglycan (leprecan) 1	
Immunogen Catalog Number: AG24904	Calculated MW: 83 kDa	
	Observed MW: 83 kDa	

Applications

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

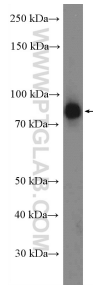
Storage

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

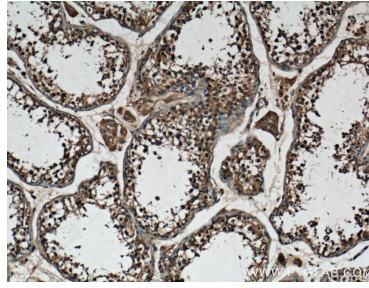
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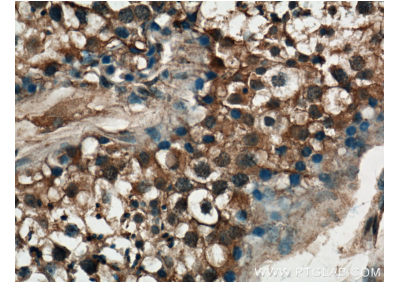
Selected Validation Data



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).