

For Research Use Only

P3H1 Polyclonal antibody

Catalog Number: 26691-1-AP

3 Publications



Basic Information

Catalog Number:

26691-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 367 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG24904

GenBank Accession Number:

BC108311

GeneID (NCBI):

64175

UNIPROT ID:

Q32P28

Full Name:

leucine proline-enriched proteoglycan (leprecan) 1

Calculated MW:

83 kDa

Observed MW:

83 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : HeLa cells,

IHC : human testis tissue, human placenta tissue

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
Guixin Ding	39516330	NPJ Precis Oncol	WB
Janny Piñeiro-Llanes	36055608	Acta Biomater	WB

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

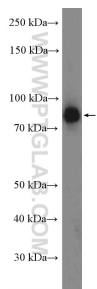
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

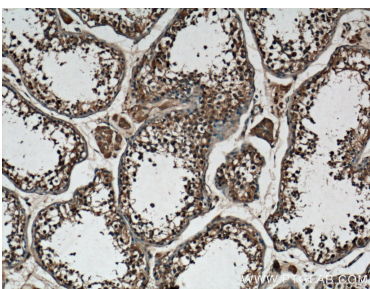
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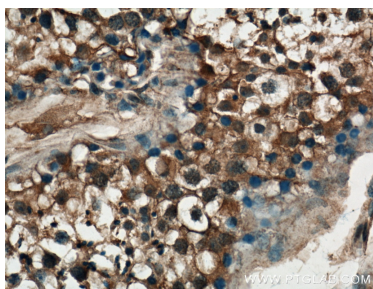
Selected Validation Data



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).