

For Research Use Only

P3H3 Polyclonal antibody

Catalog Number: 16023-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number:

16023-1-AP

Size:

600 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8850

GenBank Accession Number:

BC017217

GeneID (NCBI):

10536

UNIPROT ID:

Q8IVL6

Full Name:

leprecan-like 2

Calculated MW:

736 aa, 82 kDa

Observed MW:

82-90 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

WB, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : mouse ovary tissue, MDA-MB-453s cells, rat ovary tissue

IP : MDA-MB-453 cells,

Background Information

P3H3 (prolyl 3-hydroxylase 3, also known as LEPREL2) is a member of the leprecan family of proteins, which also include P3H1, P3H2, CRTAP and SC56. Collagen prolyl hydroxylases are required for proper collagen biosynthesis, folding, and assembly. P3H3 is thought to reside in 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Bernd Stratmann	27898103	Sci Rep	WB
Masahiko Terajima	31173582	PLoS Genet	WB
David M Hudson	28115524	J Biol Chem	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

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

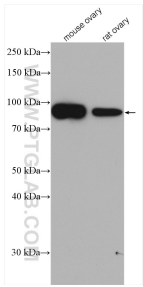
T: 4006900926

E: Proteintech-CN@ptglab.com

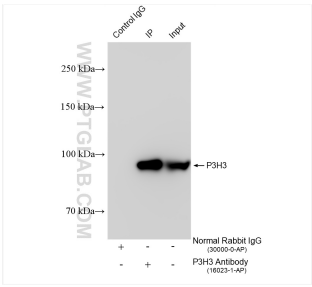
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16023-1-AP (P3H3 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



IP result of anti-P3H3 (IP:16023-1-AP, 4ug; Detection:16023-1-AP 1:5000) with MDA-MB-453 cells lysate 1320 ug.