

For Research Use Only

# P3H3 Polyclonal antibody

Catalog Number: 16023-1-AP

Featured Product

6 Publications



## Basic Information

### Catalog Number:

16023-1-AP

### Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

### 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

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

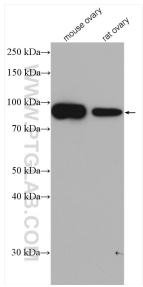
For technical support and original validation data for this product please contact:

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

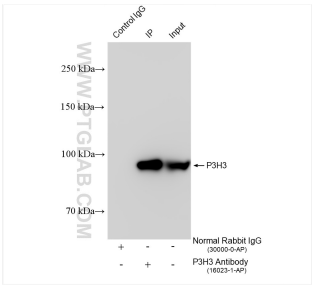
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Selected Validation Data



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.