

# PPID Polyclonal antibody

Catalog Number: 12716-1-AP

8 Publications

## Basic Information

## Catalog Number:

12716-1-AP

## Size:

500 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG3409

## GenBank Accession Number:

BC030707

## GeneID (NCBI):

5481

## UNIPROT ID:

Q08752

## Full Name:

peptidylprolyl isomerase D

## Calculated MW:

370 aa, 41 kDa

## Observed MW:

38-41 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:250-1:1000

## Applications

## Tested Applications:

WB, IP, IHC, ELISA

## Cited Applications:

WB, IF, CoIP

## Species Specificity:

human, mouse, rat

## Cited Species:

human, mouse, rat, bovine

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

## Positive Controls:

**WB:** mouse brain tissue, A549 cells, human brain tissue, Jurkat cells, MCF-7 cells, NIH/3T3 cells, Raji cells, rat brain tissue

**IP:** mouse brain tissue,

**IHC:** mouse testis tissue, human cervical cancer tissue

## Background Information

PPID (Peptidyl-prolyl cis-trans isomerase D) is also named CYP40, CYPD, and belongs to the cyclophilin-type PPIase family, which accelerates the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. The inactivation of the Ppid gene rescued the disease phenotype of Col6a1 deficiency (PMID:19293339). This PPID antibody detected a strong band at an apparent molecular mass of 41 kDa and a weak band at 70 kDa due to crosslink (PMID: 33320090, 29097228).

## Notable Publications

Author	Pubmed ID	Journal	Application
Tingting Wu	35593990	Cardiovasc Toxicol	WB, CoIP
Yong-Cheng Ma	30659827	Eur J Pharmacol	WB
Da-Wei Liu	31059047	Mol Med Rep	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

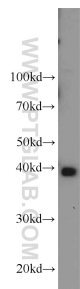
For technical support and original validation data for this product please contact:

T: 4006900926

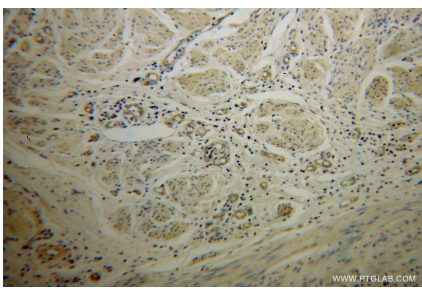
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

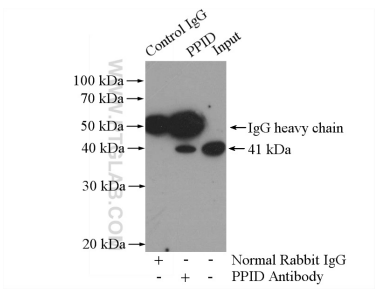
Selected Validation Data



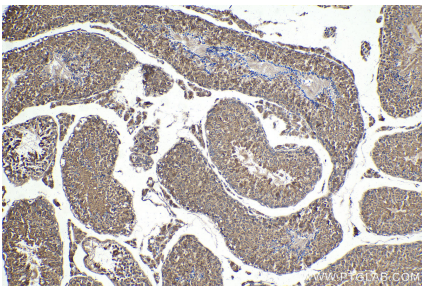
mouse brain tissue were subjected to SDS PAGE followed by western blot with 12716-1-AP (PPID antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human cervical cancer using 12716-1-AP (PPID antibody) at dilution of 1:50 (under 10x lens).



IP result of anti-PPID (IP:12716-1-AP, 4ug; Detection:12716-1-AP 1:1000) with mouse brain tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 12716-1-AP (PPID antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).