

For Research Use Only

# PPID Polyclonal ANTIBODY



Catalog Number: 12716-1-AP **2 Publications**

## Basic Information

**Catalog Number:**

12716-1-AP

**Size:**

150UL, Concentration: 153 µg/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG3409

**GenBank Accession Number:**

BC030707

**GeneID (NCBI):**

5481

**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 IP and 1:500-1:2000 for WB

IHC 1:20-1:200

## Applications

**Tested Applications:**

FC, IHC, IP, WB, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human, mouse, rat

**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**

**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:** human cervical cancer tissue,

## Background Information

PPID (Peptidyl-prolyl cis-trans isomerase D) is also named as 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).

## Notable Publications

Author	Pubmed ID	Journal	Application
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 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

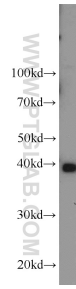
For technical support and original validation data for this product please contact:

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

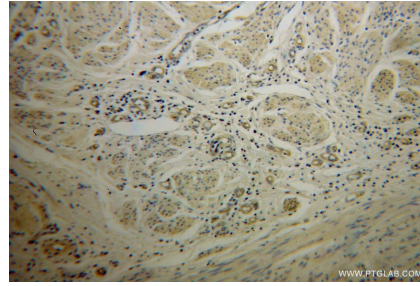
E: proteintech@ptglab.com  
W: ptglab.com

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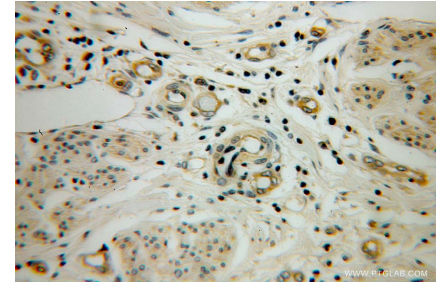
## Selected Validation Data



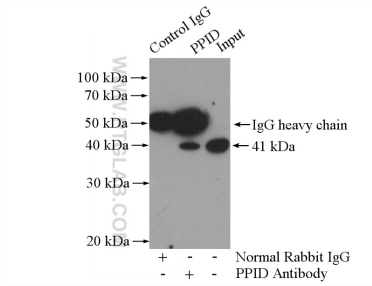
mouse brain tissue were subjected to SDS PAGE followed by western blot with 12716-1-AP (PPID antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



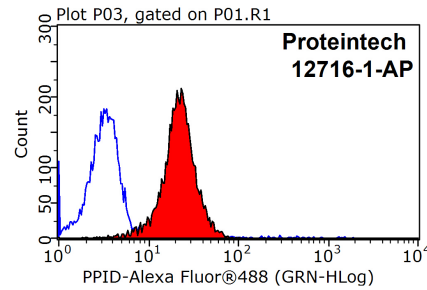
Immunohistochemical analysis of paraffin-embedded human cervical cancer using 12716-1-AP (PPID antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human cervical cancer using 12716-1-AP (PPID antibody) at dilution of 1:50 (under 40x lens).



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



1X10<sup>6</sup> HeLa cells were stained with 0.2ug PPID antibody (12716-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.