

# PPID Monoclonal antibody

Catalog Number: 67632-1-Ig

## Basic Information

<b>Catalog Number:</b> 67632-1-Ig	<b>GenBank Accession Number:</b> BC030707	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 500 ug/ml	<b>GeneID (NCBI):</b> 5481	<b>CloneNo.:</b> 1A2B1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q08752	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:500-1:2000
<b>Isotype:</b> IgG1	<b>Full Name:</b> peptidylprolyl isomerase D	
<b>Immunogen Catalog Number:</b> AG4371	<b>Calculated MW:</b> 370 aa, 41 kDa <b>Observed MW:</b> 38-41 kDa	

## Applications

### Tested Applications:

WB, IHC, ELISA

### Species Specificity:

human, mouse, rat, pig

**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 :** Raji cells, Jurkat cells, K-562 cells, JAR cells, pig brain tissue, rat brain tissue, mouse brain tissue

**IHC :** 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).

## Storage

### Storage:

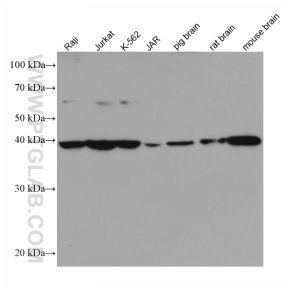
Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

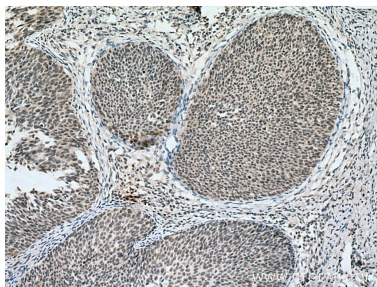
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

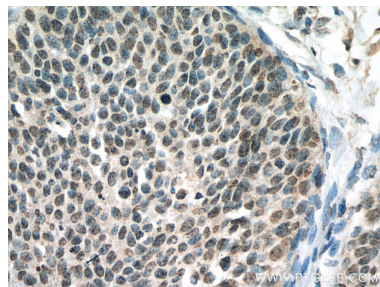
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67632-1-Ig (PPID antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 67632-1-Ig (PPID antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 67632-1-Ig (PPID antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).