

For Research Use Only

# PPID Recombinant antibody

Catalog Number: 84115-1-RR



## Basic Information

<b>Catalog Number:</b> 84115-1-RR	<b>GenBank Accession Number:</b> BC030707	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5481	<b>CloneNo.:</b> 241361B2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q08752	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> peptidylprolyl isomerase D	
<b>Immunogen Catalog Number:</b> AG3409	<b>Calculated MW:</b> 370 aa, 41 kDa	
	<b>Observed MW:</b> 41 kDa	

## Applications

<b>Tested Applications:</b> WB, FC (Intra), ELISA	<b>Positive Controls:</b> WB : A549 cells, MCF7 cells, Jurkat cells
<b>Species Specificity:</b> human	

## 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

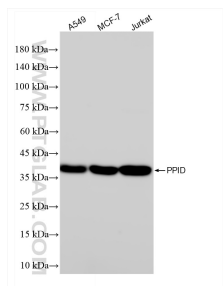
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

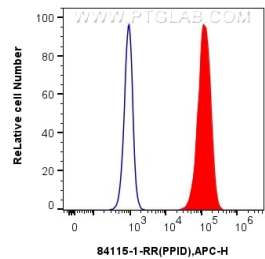
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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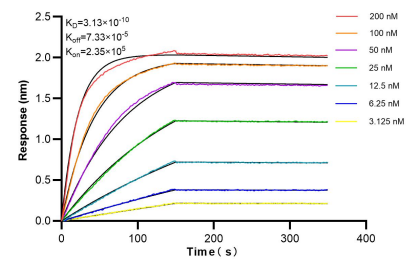
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84115-1-RR (PPID antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1x10<sup>6</sup> A431 cells were intracellularly stained with 0.25 ug PPID Recombinant Antibody (84115-1-RR, Clone:241361B2) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 84115-1-RR against Human PPID were performed. The affinity constant is 0.313 nM.