



Rabbit Anti-Cyclophilin 40/PPID antibody

SL9878R

Product Name:	Cyclophilin 40/PPID
Chinese Name:	亲环蛋白(亲环素)40抗体
Alias:	40 kDa peptidyl prolyl cis trans isomerase; 40 kDa peptidyl prolyl cis trans isomerase D; 40 kDa peptidyl-prolyl cis-trans isomerase; Cyclophilin D; Cyclophilin D; Cyclophilin related protein; Cyclophilin-40; Cyclophilin-related protein; Cyclophilin40; CyclophilinD; CYP 40; CYP 40; CYP-40; CYP40; CYP40; CYPD; CYPD; MGC33096; Peptidyl Prolyl Isomerase D; Peptidyl Prolyl Isomerase D; Peptidyl-prolyl cis-trans isomerase D; Peptidylprolyl isomerase D; PPIase; PPIase D; PPID; PPID; PPID HUMAN; Rotamase; Rotamase D.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50- 200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	20, 40kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Cyclophilin D:281-370/370
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Cyclophilins are conserved, ubiquitous and abundant cytosolic peptidyl-prolyl cis-trans

isomerases that accelerate the isomerization of XaaPro peptide bonds and the refolding of proteins. Human cyclophilin A (CyPA), an intracellular protein of 165 amino acids, is the target of cyclosporin A (CsA) and is encoded by a single unique gene conserved from yeast to humans. Cyclophilin B (CyPB) is secreted in biological fluids such as blood or milk and binds to a specific receptor present on the human lymphoblastic cell line Jurkat and on human peripheral blood lymphocytes. Cyclophilin D (CyP40) is a widely expressed cytoplasmic protein that catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. It is a widely expressed cytoplasmic protein.

Function:

PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides.

Subunit:

Binds ESR1.

Subcellular Location:

Cytoplasm.

Tissue Specificity:

Widely expressed.

Similarity:

Belongs to the cyclophilin-type PPIase family. PPIase D subfamily.

Contains 1 PPIase cyclophilin-type domain.

Contains 3 TPR repeats.

SWISS:

Q08752

Gene ID:

5481

Database links:

[Entrez Gene: 5481](#)Human

[Entrez Gene: 67738](#)Mouse

[Entrez Gene: 361967](#)Rat

[Omim: 601753](#)Human

[SwissProt: Q08752](#)Human

[SwissProt: Q9CR16](#)Mouse

[SwissProt: Q6DGG0](#)Rat

[Unigene: 183958](#)Human

[Unigene: 295252](#)Mouse

[Unigene: 136915](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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