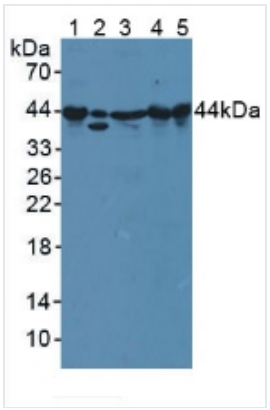
Cyclophilin D (CYPD) Antibody – Rabbit Polyclonal

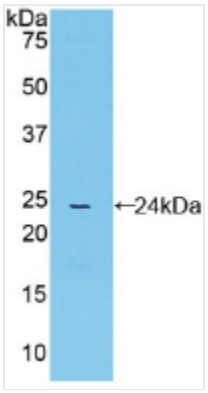
PRODUCT OVERVIEW

Product Name	Cyclophilin D (CYPD), Polyclonal Antibody
Full Product Name	Polyclonal Antibody to Cyclophilin D (CYPD)
Product Gene Name	anti-CYPD antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Mouse, Human, Rat
Form/Format	Supplied as solution form in PBS, pH7.4, containing 0.02% NaN3, 50% glycerol
Purity/Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Concentration	0.24mg/ml (lot specific)
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 4 degree C for frequent use. Aliquot and store at -20 degree C for 24 months. **Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Matching Pairs	Unconjugated Antibody: CYPD (MBS2016330) Immunogen: CYPD (MBS2018468)
Matching Pairs	Unconjugated Antibody: CYPD (MBS2016330) APC-CY7 Conjugated Antibody: CYPD (MBS2056222)
Matching Pairs	Unconjugated Antibody: CYPD (MBS2016330) PE Conjugated Antibody: CYPD (MBS2056223)
Matching Pairs	Unconjugated Antibody: CYPD (MBS2016330) APC Conjugated Antibody: CYPD (MBS2056224)
Matching Pairs	Unconjugated Antibody: CYPD (MBS2016330) Cy3 Conjugated Antibody: CYPD (MBS2056225)
Matching Pairs	Unconjugated Antibody: CYPD (MBS2016330) FITC Conjugated Antibody: CYPD (MBS2056226)
Matching Pairs	Unconjugated Antibody: CYPD (MBS2016330) HRP Conjugated Antibody: CYPD (MBS2056227)
Matching Pairs	Unconjugated Antibody: Cyclophilin D (CYPD) (MBS2016330) APC-CY7 Conjugated Secondary Antibody: Immunoglobulin G (MBS2090675)
Matching Pairs	Unconjugated Antibody: Cyclophilin D (CYPD) (MBS2016330) Unconjugated Secondary Antibody: Immunoglobulin G (MBS2090678)
Matching Pairs	Unconjugated Antibody: CYPD (MBS2016330) Biotin Conjugated Antibody: CYPD (MBS2093422)
3D Structure	ModBase 3D Structure for Q9CR16

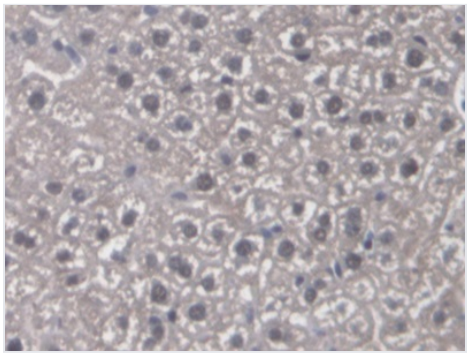
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Source	Polyclonal antibody preparation
Traits	Liquid
Cross Reactivity	Human; Rat
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-CYPD antibody	Western Blot (WB); Immunohistochemistry (IHC); Immunocytochemistry (ICC); Immunoprecipitation (IP);!!Recombinant CYP-40 (Lys9MBS2018468Asp189) expressed in E.coli (MBS2018468).
Application Notes for anti-CYPD antibody	Western blotting: 0.5-2ug/mL Immunohistochemistry: 5-20ug/mL Optimal working dilutions must be determined by end user.
Related Product Information for anti-CYPD antibody	MBS2016330 is an antibody targeting CYPD. Also known as Polyclonal Antibody to Cyclophilin D (CYPD). Reactive in Mouse, Human, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-CYPD antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



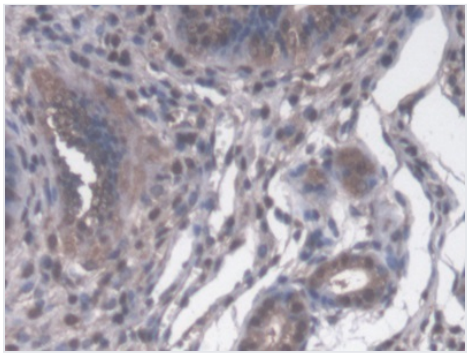
Western Blot (WB) of anti-CYPD antibody
Western Blot: Sample: Lane1: Mouse Serum; Lane2: Human A549 Cells; Lane3: Mouse Spleen Tissue; Lane4: Mouse Heart Tissue; Lane5: Rat Heart Tissue.



Western Blot (WB) of anti-CYPD antibody
Western Blot: Sample: Recombinant CYPD, Mouse.



Immunohistochemistry (IHC) of anti-CYPD antibody
DAB staining on fromalin fixed paraffin-embedded Bowels tissue)



Immunohistochemistry (IHC) of anti-CYPD antibody
DAB staining on IHC-P; Samples: Mouse Uterus Tissue)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CYPD. It may not necessarily be applicable to this product.

NCBI GI #	13385854
NCBI GeneID	67738

NCBI Accession #	NP_080628.1
UniProt Primary Accession #	Q9CR16
UniProt Secondary Accession #	Q543G1
UniProt Related Accession #	Q9CR16
GenBank Nucleotide #	NM_026352.4
NCBI Official Full Name	peptidyl-prolyl cis-trans isomerase D isoform 1
NCBI Official Synonym Full Names	peptidylprolyl isomerase D (cyclophilin D)
NCBI Official Symbol	Ppid
NCBI Official Synonym Symbols	Ppif; Ppidl; CYP-40; 4930564J03Rik
UniProt Protein Name	Peptidyl-prolyl cis-trans isomerase D
UniProt Synonym Protein Names	40 kDa peptidyl-prolyl cis-trans isomerase; Cyclophilin-40; CYP-40; Rotamase D
Protein Family	Bifunctional cytochrome P450/NADPH--P450 reductase
UniProt Gene Name	Ppid
UniProt Synonym Gene Names	PPIase D; CYP-40
NCBI Protein Information	peptidyl-prolyl cis-trans isomerase D
UniProt Comments for CYPD	PPID: PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. Belongs to the cyclophilin-type PPIase family. PPIase D subfamily. Protein type: EC 5.2.1.8; Isomerase; Nucleolus Chromosomal Location of Human Ortholog: 3|3 E3 Cellular Component: cytoplasm; cytosol; mitochondrion; nucleolus; nucleus Molecular Function: cyclosporin A binding; enzyme binding; FK506 binding; heat shock protein binding; Hsp90 protein binding; isomerase activity; peptidyl-prolyl cis-trans isomerase activity; transcription factor binding Biological Process: apoptosis; negative regulation of transcription from RNA polymerase II promoter; positive regulation of apoptosis; positive regulation of protein secretion; positive regulation of viral genome replication; protein complex assembly; protein folding; protein peptidyl-prolyl isomerization; protein transport; regulation of apoptosis; transport
Research Articles on CYPD	**1.** Murine eosinophil necrosis is regulated in vitro and in vivo by cyclophilin D.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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