

Rabbit anti-Human Cyclophilin A Polyclonal Antibody | anti-PPIA antibody

Anti-Cyclophilin A Antibody, Rabbit Polyclonal

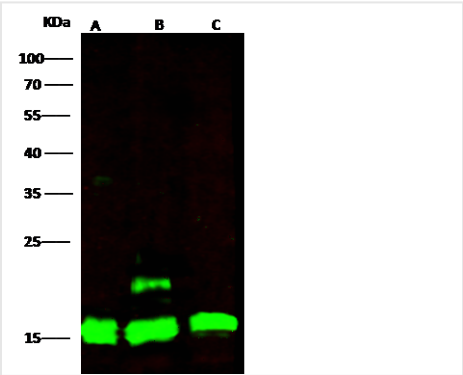
CATALOG # AAA254928	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, ELISA, Western Blot
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PRODUCT SYNONYMS

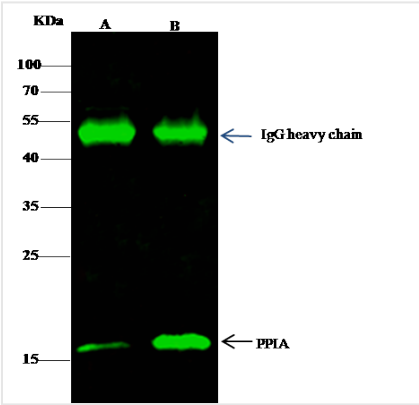
Cyclophilin A; Polyclonal Antibody; Anti-Cyclophilin A Antibody; Rabbit Polyclonal; Cyclophilin A Antibody; Rabbit PAb; Antigen Affinity Purified; peptidylprolyl isomerase A (cyclophilin A); Anti-CYPA Antibody; Anti-CYPH Antibody; Anti-HEL-S-69p Antibody; anti-PPIA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Cyclophilin A
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-PPIA antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human Cyclophilin A protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human Cyclophilin A (rh Cyclophilin A). Cyclophilin A specific IgG was purified by Human Cyclophilin A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



WB (Western Blot)
Anti-PPIA rabbit polyclonal antibody at 1:500 dilutionLane A: HepG2 Whole Cell LysateLane B: Jurkat Whole Cell LysateLane C: NIH-3T3 Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:18 kDaObserved band size:15 kDa(We are unsure as to the identity of these extra bands.



IP (Immunoprecipitation)
PPIA was immunoprecipitated using:Lane A:0.5 mg HepG2 Whole Cell LysateLane B:0.5 mg 293T Whole Cell Lysate2 uL anti-PPIA rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose.Primary antibody:Anti-PPIA rabbit polyclonal antibody,at 1:500 dilutionSecondary antibody:Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilutionDeveloped using the odyssey technique.Performed under reducing conditions.Predicted band size: 15 kDaObserved band size: 16 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PPIA antibody	Peptidyl-prolyl cis-trans isomerase A, also known as PPIase A, Rotamase A, Cyclophilin A, Cyclosporin A-binding protein, PPIA and CYPA, is a cytoplasm protein that belongs to the cyclophilin-type PPIase family and PPIase A subfamily. Cyclophilins (CyPs) are a family of proteins found in organisms ranging from prokaryotes to humans. These molecules exhibit peptidyl-prolyl isomerase activity, suggesting that they influence the conformation of proteins in cells. PPIA/Cyclophilin A accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. PPIA/Cyclophilin A is secreted by vascular smooth muscle cells in response to inflammatory stimuli, and could thus contribute to atherosclerosis. It is not essential for mammalian cell viability. PPIA/Cyclophilin A can interact with several HIV proteins, including p55 gag, Vpr, and capsid protein, and has been shown to be necessary for the formation of infectious HIV virions.
Product Categories/Family for anti-PPIA antibody	Phosphatases and Regulators
References	Haendler B., et al., (1987), Complementary DNA for human T-cell cyclophilin. EMBO J. 6:947-950.Haendler B., et al., (1990), Characterization of the human cyclophilin gene and of related processed pseudogenes.Eur. J. Biochem. 190:477-482.Ota T., et al., (2004), Complete sequencing and characterization of 21, 243 full-length human cDNAs.Nat. Genet. 36:40-45.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10863927
NCBI GeneID	5478
NCBI Accession #	NP_066953.1
NCBI GenBank Nucleotide #	NM_021130.3
UniProt Accession #	P62937; P05092; Q3KQW3; Q6IBU5; Q96IX3; Q9BRU4; Q9BTY9; Q9UC61; A8K220
Molecular Weight	165
NCBI Official Full Name	peptidyl-prolyl cis-trans isomerase A
NCBI Official Synonym Full Names	peptidylprolyl isomerase A (cyclophilin A)
NCBI Official Symbol	PPIA
NCBI Official Synonym Symbols	CYPA; CYPH

NCBI Protein Information	peptidyl-prolyl cis-trans isomerase A; PPIase A; rotamase A; cyclophilin; T cell cyclophilin; cyclosporin A-binding protein
UniProt Protein Name	Peptidyl-prolyl cis-trans isomerase A
UniProt Gene Name	PPIA
UniProt Synonym Gene Names	CYPA; PPIase A
UniProt Entry Name	PPIA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cyclophilin-a-antibody-immunoprecipitation-western-blot-elisa/254928>