

Rabbit PPIA Polyclonal Antibody | anti-PPIA antibody

PPIA Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325957	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

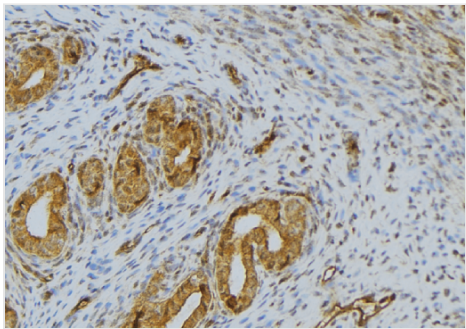
PRODUCT SYNONYMS

PPIA; Polyclonal Antibody; PPIA Antibody; Cyclophilin A; Cyclophilin; CyclophilinA; Cyclosporin A binding protein; Cyclosporin A-binding protein; CYPA; CYPH; Epididymis secretory sperm binding protein Li 69p; HEL S 69p; MGC117158; MGC12404; MGC23397; Peptidyl prolyl cis trans isomerase A; Peptidyl-prolyl cis-trans isomerase A; Peptidylprolyl isomerase A (cyclophilin A); Peptidylprolyl isomerase A; PPIA protein; PPIA_HUMAN; PPIase A; Rotamase A; RotamaseA; T cell cyclophilin; anti-PPIA antibody

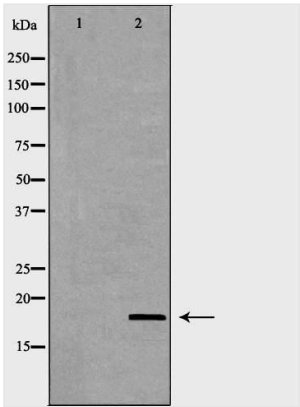
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PPIA antibody detects endogenous levels of total PPIA
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	105
Applicable Applications for anti-PPIA antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PPIA
Subcellular Location	Cytoplasm.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohiostchemistry)
AAA325957 at 1/100 staining Human uterus tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of Hela whole cell lysates, using PPIA Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PPIA antibody	Description: Cyclophilins are a highly conserved family of peptidylprolylcis-trans-isomerases (PPIA) that are targets of the immunosuppressant drug cyclosporin A (CsA) (1, 2). The complex of cyclophilin and CsA can bind to and inhibit calcineurin which leads to inhibition of the transcription factor NFAT and decreased production of cytokines (3, 4). As isomerases, cyclophilins have been proposed to aid in protein folding. Cyclophilin A can bind to the p55 Gag protein of HIV and appears necessary for HIV infection (5, 6). There is also some evidence that cyclophilins have nuclease activity and play a role in apoptosis (7). Function: PPlases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. Subunit Structure: Interacts with HIV-1 Capsid protein. Post-translational Modifications: Acetylation at Lys-125 markedly inhibits catalysis of cis to trans isomerization and stabilizes cis rather than trans forms of the HIV-1 capsid. PPIA acetylation also antagonizes the immunosuppressive effects of cyclosporine by inhibiting the sequential steps of cyclosporine binding and calcineurin inhibition. Similarity: Belongs to the cyclophilin-type PPlase family. PPlase A subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	665821274
NCBI GeneID	5478
NCBI Accession #	NP_001287910.1
NCBI GenBank Nucleotide #	NM_001300981.1
UniProt Accession #	P62937; P05092; Q3KQW3; Q567Q0; Q6IBU5; Q96IX3; Q9BRU4; Q9BTY9; Q9UC61; A8K220
Molecular Weight	Observed: 18 kDa Predicted: 19 kDa
NCBI Official Full Name	peptidyl-prolyl cis-trans isomerase A isoform 2
NCBI Official Synonym Full Names	peptidylprolyl isomerase A
NCBI Official Symbol	PPIA
NCBI Official Synonym Symbols	CYPA; CYPH; HEL-S-69p
NCBI Protein Information	peptidyl-prolyl cis-trans isomerase A
UniProt Protein Name	Peptidyl-prolyl cis-trans isomerase A
UniProt Gene Name	PPIA
UniProt Synonym Gene Names	CYPA; PPlase A

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/ppia-antibody-immunohistochemistry-western-blot-elisa/325957>