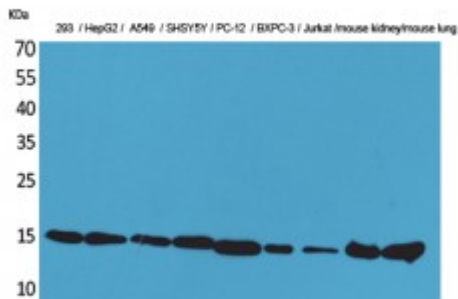


Anti-CyPA antibody



Description	Rabbit polyclonal to CyPA.
Model	STJ96562
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human CyPA.
Immunogen Region	51-100 aa, Internal
Gene ID	5478
Gene Symbol	PPIA
Dilution range	WB 1:500-1:2000 IHC-P 1:100-300 ELISA 1:20000
Specificity	CyPA Polyclonal Antibody detects endogenous levels of CyPA protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Peptidyl-prolyl cis-trans isomerase A PPIase A Cyclophilin A Cyclosporin A-binding protein Rotamase A Peptidyl-prolyl cis-trans isomerase A, N-terminally processed
Molecular Weight	18 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:92530 MIM:123840
Alternative Names	Peptidyl-prolyl cis-trans isomerase A PPIase A Cyclophilin A Cyclosporin A-binding protein Rotamase A Peptidyl-prolyl cis-trans isomerase A, N-terminally processed
Function	PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides.
Cellular Localization	Cytoplasm Secreted. Secretion occurs in response to oxidative stress in vascular smooth muscle through a vesicular secretory pathway that involves actin remodeling and myosin II activation, and mediates ERK1/2 activation.
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.