

Product datasheet for **TA339204**

Cyclophilin A (PPIA) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-PPIA antibody: synthetic peptide directed towards the middle region of human PPIA. Synthetic peptide located within the following region: TAKTEWLDGKHVFGKVKEGMNIVEAMERFGSRNGKTSKKITIADCGQLE
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	18 kDa
Gene Name:	peptidylprolyl isomerase A
Database Link:	NP_066953 Entrez Gene 5478 Human P62937



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Background:

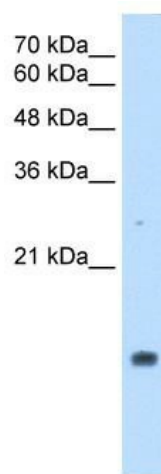
PPIA is a member of the peptidyl-prolyl cis-trans isomerase (PPIase) family. PPIases catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerate the folding of proteins. PPIA is a cyclosporin binding-protein and may play a role in cyclosporin A-mediated immunosuppression. The protein can also 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. The protein encoded by this gene is a member of the peptidyl-prolyl cis-trans isomerase (PPIase) family. PPIases catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerate the folding of proteins. This protein is a cyclosporin binding-protein. It may play a role in cyclosporin A-mediated immunosuppression. This protein can interact with several HIV proteins including p55 gag, Vpr, and capsid protein. It has been shown to be necessary for the formation of infectious HIV virions. Multiple pseudogenes that map to different chromosomes have been reported. Three alternatively spliced transcript variants encoding two distinct isoforms have been observed.

Synonyms:

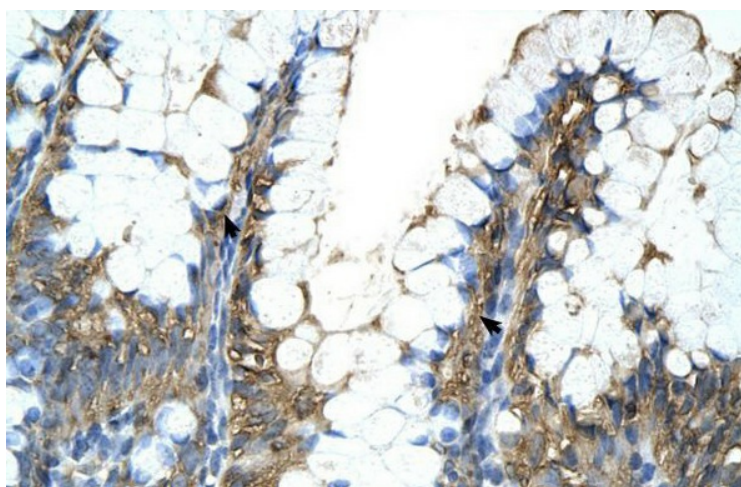
CYPA; CYPH; HEL-S-69p

Note:

Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Goat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Sheep: 100%; Bovine: 100%; Guinea pig: 100%; Rabbit: 86%

Product images:

WB Suggested Anti-PPIA Antibody Titration: 2.5 ug/ml; Positive Control: HepG2 cell lysate PPIA is strongly supported by BioGPS gene expression data to be expressed in Human HepG2 cells



Human Intestine