



Anti-PPIA polyclonal antibody (DPAB-DC2360)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes 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. The encoded protein 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. Multiple pseudogenes that map to different chromosomes have been reported.
Specificity	This antibody is expected to recognize both isoform 1 (NP_066953.1) and isoform 2 (NP_982254.1 and NP_982255.1). This product is expected to recognize PPIAL (NP_001008741.1, GeneID: 388817) which is identical to isoform 1 (NP_066953.1).
Immunogen	A synthetic peptide corresponding to human PPIA. The sequence is C-ERFGSRNGKTSKK
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	WB (Tissue lysate), ELISA,
Format	Liquid
Concentration	0.5 mg/mL
Size	100 µg
Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Preservative	0.02% Sodium Azide

Storage

Store at -20°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PPIA peptidylprolyl isomerase A (cyclophilin A) [Homo sapiens (human)]
Official Symbol	PPIA
Synonyms	PPIA; peptidylprolyl isomerase A (cyclophilin A); CYPA; CYPH; HEL-S-69p; peptidyl-prolyl cis-trans isomerase A; PPIase A; rotamase A; cyclophilin; T cell cyclophilin; cyclosporin A-binding protein; epididymis secretory sperm binding protein Li 69p;
Entrez Gene ID	5478
Protein Refseq	NP_066953
UniProt ID	P62937
Chromosome Location	7p13
Pathway	APOBEC3G mediated resistance to HIV-1 infection; Basigin interactions; Budding and maturation of HIV virion; Disease
Function	peptide binding; peptidyl-prolyl cis-trans isomerase activity; poly(A) RNA binding; protein binding