
Product Name: KD-Validated Peptidylprolyl Isomerase A Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00965**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,M
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 18.0kDa

Antigen Information

Gene Name	PPIA
Alternative Names	Peptidylprolyl Isomerase A; CYPA; Peptidyl-Prolyl Cis-Trans Isomerase A; Cyclosporin A-Binding Protein; Cyclophilin A; Rotamase A; EC 5.2.1.8; PPlase A; Epididymis Secretory Sperm Binding Protein Li 69p; Peptidylprolyl Isomerase A (Cyclophilin A); T Cell Cyclophilin; HEL-S-69p; CYPH
Gene ID	5478.0
SwissProt ID	P62937
Immunogen	A synthesized peptide derived from human Cyclophilin A

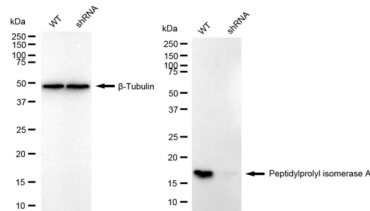
Background

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. [provided by RefSeq, Jul 2008]

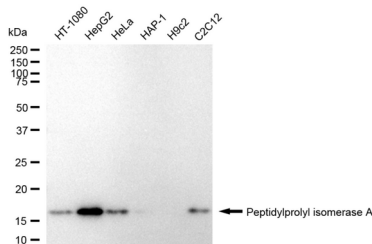
Research Area

Immunology, Signal Transduction

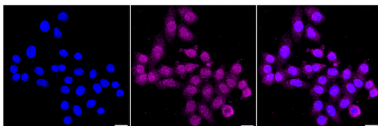
Image Data



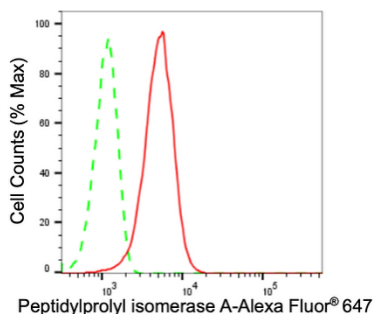
Western blotting analysis using peptidylprolyl isomerase A antibody (KVA00965). Peptidylprolyl isomerase A expression in wild-type (WT) and peptidylprolyl isomerase A (PPIA) shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with peptidylprolyl isomerase A antibody (KVA00965, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using Peptidylprolyl isomerase A antibody (KVA00965). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Peptidylprolyl isomerase A antibody (KVA00965, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with Peptidylprolyl isomerase A antibody (KVA00965, 1:1,000). Nuclei were stained blue with DAPI; Peptidylprolyl isomerase A was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Low. Scale bar: 20 µm.



Flow cytometric analysis of Peptidylprolyl isomerase A expression in HepG2 cells using Peptidylprolyl isomerase A antibody (KVA00965, 1:2,000). Green, isotype control; red, Peptidylprolyl isomerase A.