
Product Name: KD-Validated Peptidylprolyl isomerase B Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01818**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
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: 23.7kDa

Antigen Information

Gene Name	PPIB
Alternative Names	PPIB; Peptidylprolyl Isomerase B; CYP-S1; SCYLP; CYPB; Peptidyl-Prolyl Cis-Trans Isomerase B; S-Cyclophilin; Rotamase B; OI9; Cyclophilin B; EC 5.2.1.8; PPIase B; B; Peptidylprolyl Isomerase B (Cyclophilin B); Epididymis Secretory Protein Li 39; Cyclophilin-Like Protein; HEL-S-39; PPIase; PPIASE
Gene ID	5479.0
SwissProt ID	P23284
Immunogen	A synthesized peptide derived from human Cyclophilin B

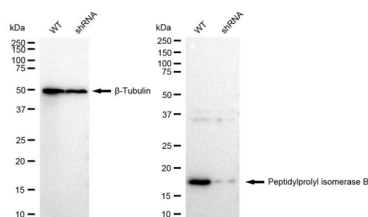
Background

The protein encoded by this gene is a cyclosporine-binding protein and is mainly located within the endoplasmic reticulum. It is associated with the secretory pathway and released in biological fluids. This protein can bind to cells derived from T- and B-lymphocytes, and may regulate cyclosporine A-mediated immunosuppression. Variants have been identified in this protein that give rise to recessive forms of osteogenesis imperfecta. [provided by RefSeq, Oct 2009]

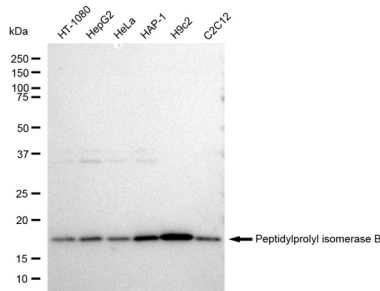
Research Area

Immunology, Signal Transduction, Isotype/Loading Controls

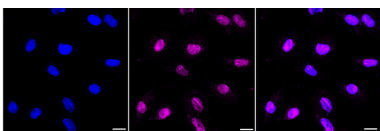
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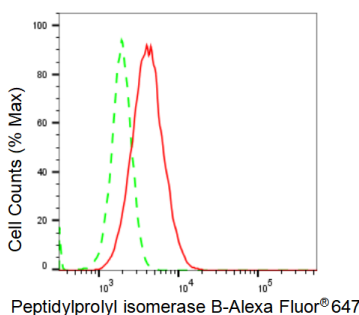
Western blotting analysis using peptidylprolyl isomerase B antibody (KVA01818). Peptidylprolyl isomerase B expression in wild type (WT) and peptidylprolyl isomerase B (PIB) shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with peptidylprolyl isomerase B antibody (KVA01818, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using Peptidylprolyl isomerase B antibody (KVA01818). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Peptidylprolyl isomerase B antibody (KVA01818, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of H9c2 cells with Peptidylprolyl isomerase B antibody (KVA01818, 1:1,000). Nuclei were stained blue with DAPI; Peptidylprolyl isomerase B was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of Peptidylprolyl isomerase B expression in H9c2 cells using Peptidylprolyl isomerase B antibody (KVA01818, 1:2,000). Green, isotype control; red, Peptidylprolyl isomerase B.