Product Name: KD-Validated Peptidylprolyl isomerase F Recombinant Rabbit Monoclonal Antibody

Catalog #: KVAb01754

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: 22.0kDa

Antigen Information

Gene Name	PPIF
Alternative Names	PPIF; Peptidylprolyl Isomerase F; Cyclophilin D; CypD; Peptidyl-Prolyl Cis-Trans Isomerase F, Mitochondrial; Mitochondrial Cyclophilin; Cyclophilin F; Rotamase F; EC 5.2.1.8; PPIase F; Cyp-D; CyP-M; CYP3; Peptidyl-Prolyl Cis-Trans Isomerase, Mitochondrial; Peptidylprolyl Isomerase F (Cyclophilin F; Cyclophilin 3; HCyP3; CYP-D; HCYP3; CyP-D; CYPD
Gene ID	10105.0
SwissProt ID	P30405
Immunogen	A synthesized peptide derived from human Cyclophilin F

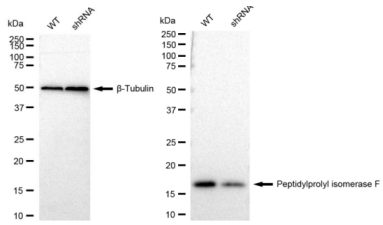
Background

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 part of the mitochondrial permeability transition pore in the inner mitochondrial membrane. Activation of this pore is thought to be involved in the induction of apoptotic and necrotic cell death. [provided by RefSeq, Jul 2008]

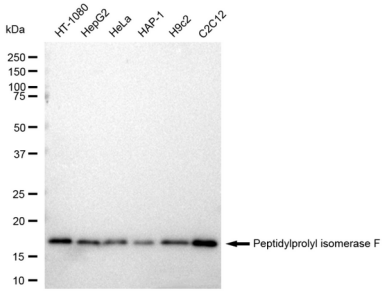
Research Area

Cell Biology,Signal Transduction,Metabolism,Cancer

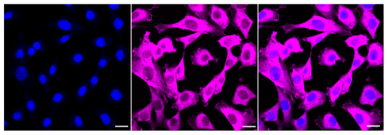
Image Data



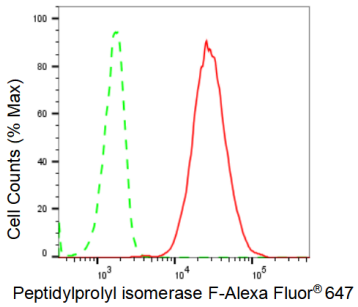
Western blotting analysis using Peptidylprolyl isomerase F antibody (KVAb01754). Peptidylprolyl isomerase F expression in wild type (WT) and peptidylprolyl isomerase F shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with Peptidylprolyl isomerase F antibody (KVAb01754, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using Peptidylprolyl isomerase F antibody (KVAb01754). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Peptidylprolyl isomerase F antibody (KVAb01754, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with Peptidylprolyl isomerase F antibody (KVAb01754, 1:1,000). Nuclei were stained blue with DAPI; Peptidylprolyl isomerase F was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20 µm.



Flow cytometric analysis of Peptidylprolyl isomerase F expression in C2C12 cells using Peptidylprolyl isomerase F antibody (KVAb01754, 1:2,000). Green, isotype control; red, Peptidylprolyl isomerase F.