



Cyclophilin D Monoclonal Antibody

Catalog No	YP-mAb-04308
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	PPID
Immunogen	The antiserum was produced against synthesized peptide derived from the C-terminal region of human PPID. AA range:321-370
Specificity	Cyclophilin D Monoclonal Antibody detects endogenous levels of Cyclophilin D protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	40 kDa peptidyl-prolyl cis-trans isomerase;Cyclophilin 40;Cyclophilin-40;Cyclophilin-related;Cyclophilin D;PPID;Peptidyl-prolyl cis-trans isomerase D;CYP40;CYPD;PPIase D;CYP-40;Cyclophilin-related protein;Rotamase D
Observed Band	40kD
Calculated Molecular Weight	40kD
Cell Pathway	Cytoplasm . Nucleus, nucleolus . Nucleus, nucleoplasm .
Tissue Specificity	Widely expressed.
Function	catalytic activity:Peptidylproline (omega=180) = peptidylproline (omega=0)., enzyme regulation:Less sensitive to inhibition by cyclosporin A than is CYP-18., function:PPIases accelerate the folding of proteins.,function:PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides.,online information:Cyclophilin entry, similarity:Belongs to the cyclophilin-type PPIase family.,similarity:Belongs to the cyclophilin-type PPIase family. PPIase D subfamily.,similarity:Contains 1 PPIase cyclophilin-type domain.,similarity:Contains 3 TPR repeats.,subunit:Bounds ESR1., tissue specificity:Widely expressed.,



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 has been shown to possess PPIase activity and, similar to other family members, can bind to the immunosuppressant cyclosporin A. [provided by RefSeq, Jul 2008],

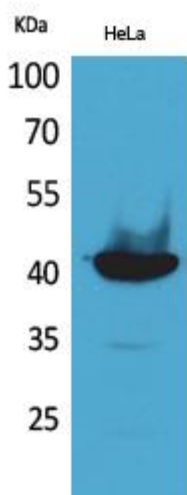
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using Cyclophilin D Monoclonal Antibody