Anti-Cyclophilin 40 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R015832

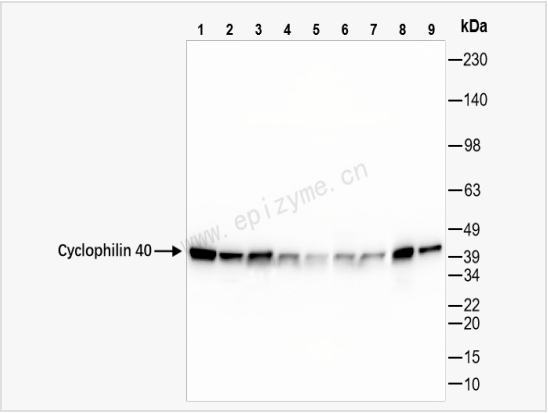
Product Information

Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	39B66E99
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Cyclophilin 40
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Cyclophilin 40 Rabbit mAb [39B66E99] is for research use only and not for use in diagnostic or therapeutic procedures.

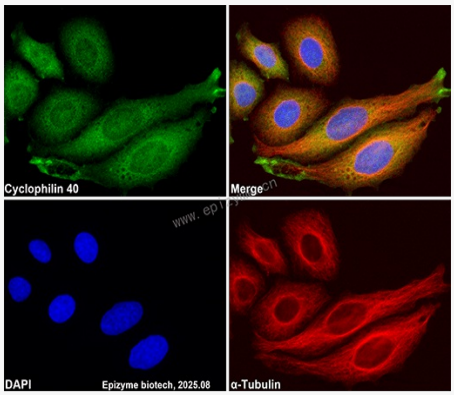
Protein Information

Synonyms	CYP40; CYPD; PPID; Peptidyl-prolyl cis-trans isomerase D; PPIase D; 40 kDa peptidyl-prolyl cis-trans isomerase; Cyclophilin-40; Cyclophilin-related protein; Rotamase D; CYP-40.
Calculated MW	Calculated MW: 41 kDa; Observed MW: 41 kDa
Uniprot ID	Q08752
Gene ID	5481
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]
Cellular Location	Cytoplasm.Nucleus.Nucleolus.Nucleus.Nucleoplasm.
Tissue Location	Widely expressed.

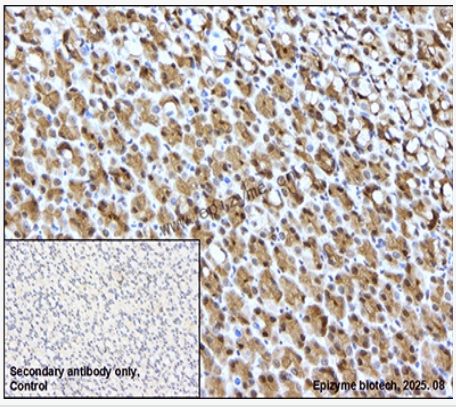
Validation Images



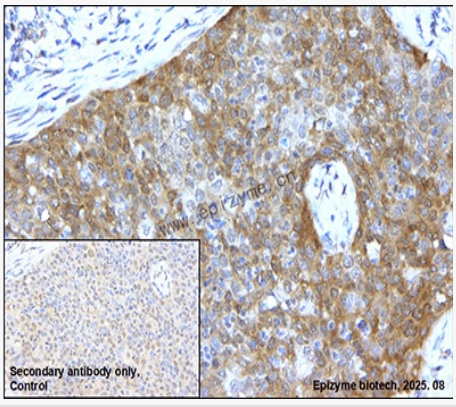
Western Blot - Anti-Cyclophilin 40 Rabbit mAb [39B66E99]
All lanes: R015832 at 1:1,000 dilution
Lane 1: K562 (Human chronic myeloid leukemia cell) whole cell lysates
Lane 2: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates
Lane 3: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates
Lane 4: Mouse spleen whole tissue lysates
Lane 5: Mouse embryo-like whole tissue lysates
Lane 6: Mouse blood whole lysates
Lane 7: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates
Lane 8: Rat testicular whole tissue lysates
Lane 9: Rat eyeball whole tissue lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 41 kDa
Observed band size: 41 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-Cyclophilin 40 Rabbit mAb [39B66E99]
Sample: HeLa cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibodies: R015832 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).



Immunohistochemistry - Anti-Cyclophilin 40 Rabbit mAb [39B66E99]
Sample: Paraformaldehyde-fixed, paraffin embedded rat stomach tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R015832 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-Cyclophilin 40 Rabbit mAb [39B66E99]
Sample: Paraformaldehyde-fixed, paraffin embedded human cervical cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R015832 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.