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PPIA Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant PPIA.
Catalog # AT3400a

Product Information

Application	WB, E
Primary Accession	P62937
Other Accession	BC000689
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG2a kappa
Clone Names	1F4-1B5
Calculated MW	18012

Additional Information

Gene ID	5478
Other Names	Peptidyl-prolyl cis-trans isomerase A, PPIase A, Cyclophilin A, Cyclosporin A-binding protein, Rotamase A, Peptidyl-prolyl cis-trans isomerase A, N-terminally processed, PPIA, CYPA
Target/Specificity	PPIA (AAH00689.1, 1 a.a. ~ 165 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	PPIA Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

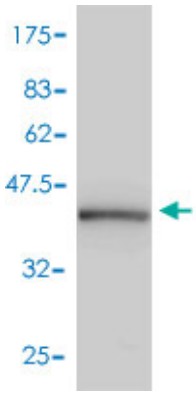
Background

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.

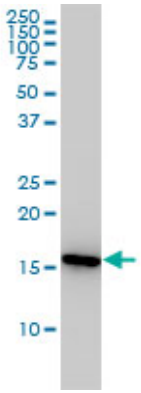
References

1.Peripheral blood monocyte-expressed ANXA2 geneis involved in pathogenesis of osteoporosis in humans.Deng FY, Lei SF, Zhang Y, Zhang YL, Zheng YP, Zhang LS, Pan R, Wang L, Tian Q, Shen H, Zhao M, Lundberg YW, Liu YZ, Papasian CJ, Deng HW.Mol Cell Proteomics. 2011 Aug 4. [Epub ahead of print]2.Tissue proteomics reveals differential and compartment-specific expression of the homologs transgelin and transgelin-2 in lung adenocarcinoma and its stroma.Rho JH, Roehrl MH, Wang JY.J Proteome Res. 2009 Dec;8(12):5610-8.

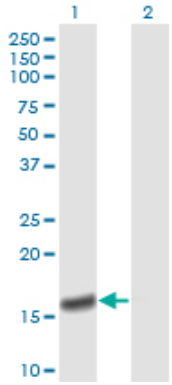
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (43.89 KDa) .

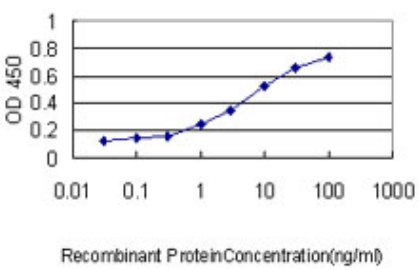


PPIA monoclonal antibody (M01), clone 1F4-1B5 Western Blot analysis of PPIA expression in Jurkat ((Cat # AT3400a)



Western Blot analysis of PPIA expression in transfected 293T cell line by PPIA monoclonal antibody (M01), clone 1F4-1B5.

Lane 1: PPIA transfected lysate(18 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged PPIA is approximately 0.03ng/ml as a capture antibody.