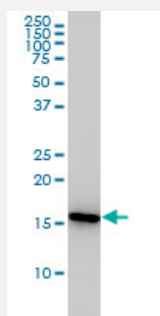


PPIA monoclonal antibody (M01), clone 1F4-1B5

Catalog # H00005478-M01

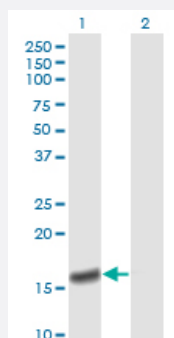
Size 100 ug

Applications



Western Blot (Cell lysate)

PPIA monoclonal antibody (M01), clone 1F4-1B5 Western Blot analysis of PPIA expression in Jurkat (Cat # L017V1).

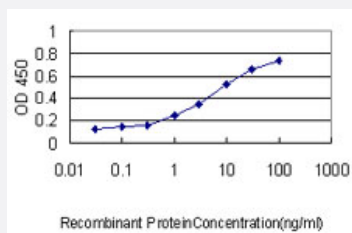


Western Blot (Transfected lysate)

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

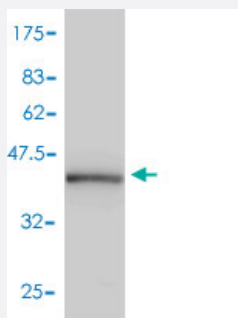
Lane 1: PPIA transfected lysate(18 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

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



Western Blot detection against Immunogen (43.89 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant PPIA.
Immunogen	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.
Sequence	MVNPTVFFDIAVDGEPLGRVSFELFADKVPKTAENFRALSTGEKGFYKGSCHFRIIPGFMCQGG DFTRHNGTGGKSIYGEKFEDENFILKHTGPGILSMANAGPNTNGSQFFICTAKTEWLDGKHVVFGK VKEGMNIVEAMERFGSRNGKTSKKITIADCGQLE
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (96); Rat (96)
Isotype	IgG2a kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (43.89 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

PPIA monoclonal antibody (M01), clone 1F4-1B5 Western Blot analysis of PPIA expression in Jurkat (Cat # L017V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

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.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

Gene Info — PPIA

Entrez GeneID [5478](#)

GeneBank Accession# [BC000689](#)

Protein Accession# [AAH00689.1](#)

Gene Name PPIA

Gene Alias CYPA, CYPH, MGC117158, MGC12404, MGC23397

Gene Description peptidylprolyl isomerase A (cyclophilin A)

Omim ID [123840](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations OTTHUMP00000025305|PPIase A|T cell cyclophilin|cyclosporin A-binding protein|peptidyl-prolyl cis-trans isomerase A|peptidylprolyl isomerase A|rotamase A

Publication Reference

- [Establishment of a Novel Cell Line for the Enhanced Production of Recombinant AAV Vectors for Gene Therapy.](#)

Satkunanathan S, Wheeler J, Thorpe R, Zhao Y.

Human Gene Therapy 2014 Nov; 25(11):929.

Application: WB-Tr, Human, 293T cells

- [Peripheral blood monocyte-expressed ANXA2 gene is 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.

Molecular & Cellular proteomics: MCP 2011 Nov; 10(11):M111.01170.

Application: WB-Ce, Human, Peripheral blood monocytes

- [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.

Journal of Proteome Research 2009 Dec; 8(12):5610.

Application: WB-Ti, Human, Human lung carcinoma, adjacent normal lung parenchyma tissues

Disease

- [Acquired Immunodeficiency Syndrome](#)
- [Atherosclerosis](#)
- [Coronary Artery Disease](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Kidney Failure](#)
- [Myocardial Infarction](#)