Mouse anti-Human PPIF Monoclonal Antibody | anti-PPIF antibody

PPIF

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48048	**Mouse**	**Human**	**Immunohistochemistry, Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA**

PRODUCT SYNONYMS

PPIF; Monoclonal Antibody; Peptidylprolyl isomerase F; CYP3; Cyp-D; Peptidylprolyl isomerase F Cyclophilin 3; Cyclophilin D; Cyclophilin F; Cyp D; CypD; hCyP3; Peptidylprolyl isomerase F (cyclophilin F); Peptidyl prolyl cis trans isomerase; mitochondral; PPIase; Rotamase.; anti-PPIF antibody

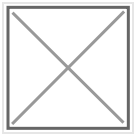
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, k
Clone Number	AT1F5
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	207
Applicable Applications for anti-PPIF antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human PPIF (30-207aa) purified from E. coli
Clone Note	Anti-human PPIF mAb, clone AT1F5, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human PPIF protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES

IF (Immunofluorescence)
ICC/IF analysis of PPIF in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human PPIF antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).

IHC (Immunohiostchemistry)
Paraffin embedded sections of human breast cancer tissue were incubated with anti-human PPIF (1:50) for 2 hours at room temperature. Antigen retrieval was performed in 0.1M sodium citrate buffer and detected using Diaminobenzidine (DAB



WB (Western Blot)
Cell lysates of 293T and HeLa (20ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human PPIF (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

ADDITIONAL INFORMATION

Related Product Information for anti-PPIF antibody	Cyclophilin F (also known as Peptidylprolyl isomerase F, PPIF) is a member of peptidyl-prolyl cis-transisomerase family. They are highly-conserved cytoplasmic enzymes that accelerate protein folding. 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.
Product Categories/Family for anti-PPIF antibody	Enzymes & Proteases
References	Bowles KR, et al., (2000) Genomics 67 (2):109-127; Bergsma DJ, et al., (1991) J Biol Chem 266 (34):23204-23214

NCBI AND UNIPROT INFORMATION

NCBI GI #	5031987
NCBI GeneID	10105
NCBI Accession #	NP_005720
NCBI GenBank Nucleotide #	NM_005729.3
UniProt Accession #	P30405; Q2YDB7; Q5W131
Molecular Weight	16,541 Da
NCBI Official Full Name	peptidyl-prolyl cis-trans isomerase F, mitochondrial
NCBI Official Synonym Full Names	peptidylprolyl isomerase F
NCBI Official Symbol	PPIF
NCBI Official Synonym Symbols	CYP3; CypD; CyP-M; Cyp-D
NCBI Protein Information	peptidyl-prolyl cis-trans isomerase F, mitochondrial
UniProt Protein Name	Peptidyl-prolyl cis-trans isomerase F, mitochondrial
UniProt Gene Name	**PPIF**
UniProt Synonym Gene Names	CYP3; PPIase F; CyP-D; CypD; CyP-M

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/ppif-antibody-clone-at1f5-immunohistochemistry-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48048