Cyclophilin F Monoclonal Antibody | anti-PPIF antibody

Cyclophilin F Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA314339	**Recombinant Rabbit**	**Human, Mouse, Rat**	**Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

Cyclophilin F; Monoclonal Antibody; Cyclophilin F Rabbit mAb; CYP3; CypD; CyP-M; Cyp-D; anti-PPIF antibody

PRODUCT SPECIFICATIONS

Host	Recombinant Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	S02-6I9
Purity/Purification	Affinity Purified
Form/Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration	0.3mg/ml (varies by lot)
Applicable Applications for anti-PPIF antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human Cyclophilin F
Conjugation	Unconjugated
Modification	Unmodification
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.

IMAGES

IHC (Immunohiostchemistry)
Immunohistochemistry of Cyclophilin F in paraffin-embedded Human tonsil using Cyclophilin F Rabbit mAb at dilution 1/50

WB (Western Blot)
Western blot detection of Cyclophilin F in K562,3T3,Hela cell lysates using Cyclophilin F Rabbit mAb(1:1000 diluted).Predicted band size:22kDa.Observed band size:18kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PPIF antibody	PPIase that catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and may therefore assist protein folding (PubMed:20676357). Involved in regulation of the mitochondrial permeability transition pore (mPTP). It is proposed that its association with the mPTP is masking a binding site for inhibiting inorganic phosphate (Pi) and promotes the open probability of the mPTP leading to apoptosis or necrosis; the requirement of the PPIase activity for this function is debated. In cooperation with mitochondrial TP53 is involved in activating oxidative stress-induced necrosis. Involved in modulation of mitochondrial membrane F1F0 ATP synthase activity and regulation of mitochondrial matrix adenine nucleotide levels. Has anti-apoptotic activity independently of mPTP and in cooperation with BCL2 inhibits cytochrome c-dependent apoptosis.

Product Categories/Family for anti-PPIF antibody	Primary Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	5031987
NCBI GeneID	10105
NCBI Accession #	NP_005720.1
NCBI GenBank Nucleotide #	NM_005729.3
UniProt Accession #	P30405; Q5W131
Molecular Weight	22,040 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; PPIase F; rotamase F; cyclophilin 3; cyclophilin D; cyclophilin F; mitochondrial cyclophilin; peptidyl-prolyl cis-trans isomerase, 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
UniProt Entry Name	PPIF_HUMAN

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/cyclophilin-f-antibody-clone-s02-6i9-immunohistochemistry-western-blot-elisa/314339