

Rabbit anti-Human PPIF Polyclonal Antibody | anti-PPIF antibody

PPIF Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA231880	Rabbit	Human	Immunohistochemistry, Western Blot, ELISA

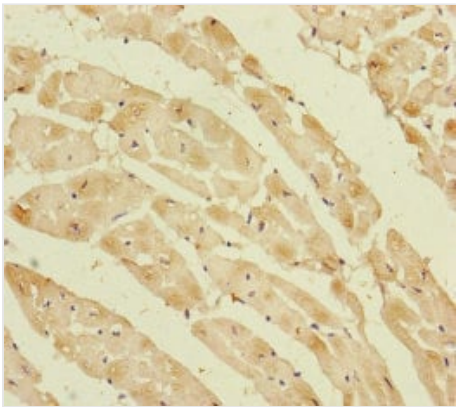
PRODUCT SYNONYMS

PPIF; Polyclonal Antibody; PPIF Antibody; Peptidyl-prolyl cis-trans isomerase F; mitochondrial; PPIase F; Cyclophilin D; CyP-D; CypD; Cyclophilin F; Mitochondrial cyclophilin; CyP-M; Rotamase F; CYP3; anti-PPIF antibody

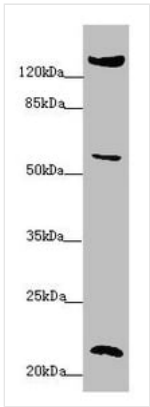
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid
Sequence Length	207
Applicable Applications for anti-PPIF antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Species	Human
Immunogen	Recombinant human Peptidyl-prolyl cis-trans isomerase F, mitochondrial protein (C-178AA)
Conjugate	Non-conjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-82570 / sc-82571 / sc-82573
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded human heart tissue using AAA231880 at dilution of 1:100



WB (Western Blot)
Western blotAll lanes: PPIF antibody at 5.65 ug/ml+ 293T whole cell lysateSecondaryGoat polyclonal to rabbit IgG at 1/10000 dilutionPredicted band size: 23,17 kDaObserved band size: 22,58,150 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PPIF antibody	PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. 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 F(1)F(0) 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5031987
NCBI GeneID	10105
NCBI Accession #	NP_005720.1
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
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/polyclonal/ppif-antibody-immunohistochemistry-western-blot-elisa/231880>