

Rabbit PPIF Polyclonal Antibody | anti-PPIF antibody

PPIF Antibody

CATALOG # AAA303184	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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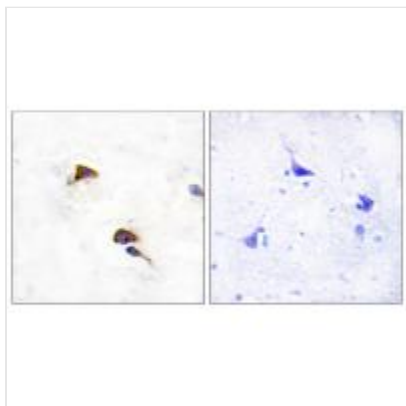
PRODUCT SYNONYMS

PPIF; Polyclonal Antibody; PPIF Antibody; Peptidyl-prolyl cis-trans isomerase; mitochondrial [Precursor]; EC 5.2.1.8; PPIase; Rotamase; anti-PPIF antibody

PRODUCT SPECIFICATIONS

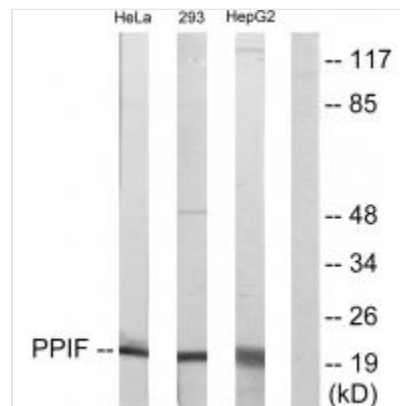
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total PPIF protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	207
Applicable Applications for anti-PPIF antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human PPIF.
Target Name	PPIF
Preparation and Storage	Store at -20 degree C

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human brain tissue using PPIF antibody.



WB (Western Blot)

Western blot analysis of extracts from HeLa cells, 293 cells and HepG2 cells, using PPIF antibody.

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 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.Bergsma D.J., J. Biol. Chem. 266:23204-23214(1991).Deloukas P., Nature 429:375-381(2004).The MGC Project Team, Genome Res. 14:2121-2127(2004).
Product Categories/Family for anti-PPIF antibody	Total protein Ab

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://www.aaabiotech.com/polyclonal/ppif-antibody-immunohistochemistry-western-blot-elisa/303184>