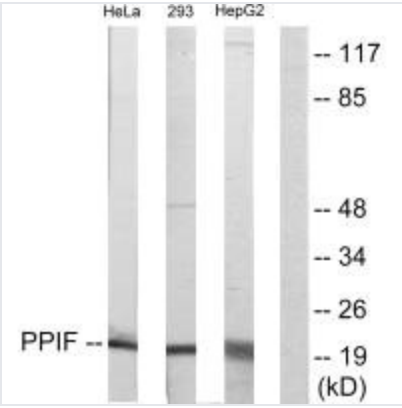
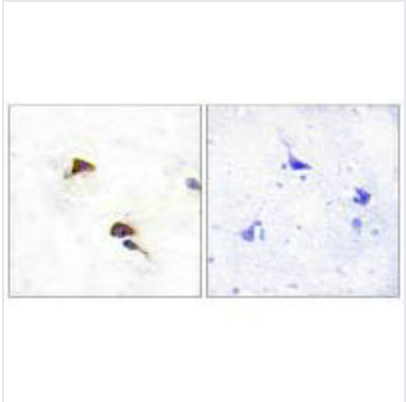
# PPIF Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | PPIF, Polyclonal Antibody |
| **Full Product Name** | PPIF Antibody |
| **Product Gene Name** | anti-PPIF antibody |
| **Product Synonym Names** | Peptidyl-prolyl cis-Trans isomerase; mitochondrial [Precursor]; EC 5.2.1.8; PPIase; Rotamase |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human, Mouse, Rat |
| **Form/Format** | Liquid; Rabbit IgG In Phosphate Buffered Saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% Sodium Azide and 50% Glycerol. |
| **Purity/Purification** | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Preparation and Storage** | Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze. |
| **Molecular Weight** | 22,040 Da |
| **Chromosome Location** | Chromosome: 10; NC_000010.10 (81107220..81115090). Location: 10q22-q23 |
| **OMIM** | 604486 |
| **3D Structure** | ModBase 3D Structure for P30405 |
| **Immunogen** | Synthesized peptide derived from internal of human PPIF. |
| **Immunogen Species** | Human |
| **Conjugate** | Non-conjugated |
| **Product Categories/Family for anti-PPIF antibody** | Cell Biology |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Applications Tested/Suitable for anti-PPIF antibody** | ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC) |
| **Application Notes for anti-PPIF antibody** | WB: 1:500-1:3000<br>IHC: 1:50-1:100 |
| **Related Product Information for anti-PPIF antibody** | MBS7132232 is an antibody targeting PPIF. Also known as PPIF Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit. |
| **Other Notes** | Small volumes of anti-PPIF antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |




**Western Blot (WB) of anti-PPIF antibody**
Western blot analysis of extracts from HeLa cells, 293 cells and HepG2 cells, using PPIF antibody.



**Immunohistochemistry (IHC) of anti-PPIF antibody**
Immunohistochemistry analysis of paraffin-embedded human brain tissue using PPIF antibody.

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PPIF. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 5031987 |
| **NCBI GeneID** | 10105 |
| **NCBI Accession #** | NP_005720.1 |
| **UniProt Primary Accession #** | P30405 |
| **UniProt Secondary Accession #** | Q5W131 |
| **UniProt Related Accession #** | P30405 |
| **GenBank Nucleotide #** | NM_005729.3 |
| **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 |
| **UniProt Protein Name** | Peptidyl-prolyl cis-trans isomerase F, mitochondrial |
| **UniProt Synonym Protein Names** | Cyclophilin D; CyP-D; CypD; Cyclophilin F; Mitochondrial cyclophilin; CyP-M; Rotamase F |
| **Protein Family** | Peptidyl-prolyl cis-trans isomerase |
| **UniProt Gene Name** | PPIF |
| **UniProt Synonym Gene Names** | CYP3; PPIase F; CyP-D; CypD; CyP-M |
| **UniProt Entry Name** | PPIF_HUMAN |
| **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 |
| **NCBI Summary for PPIF** | The protein encoded by this gene is 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. 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. [provided by RefSeq, Jul 2008] |

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| **UniProt Comments for PPIF** | PPIF: PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. Belongs to the cyclophilin-type PPIase family.<br><br>Protein type: EC 5.2.1.8; Mitochondrial; Isomerase<br><br>Chromosomal Location of Human Ortholog: 10q22.3<br><br>Cellular Component: membrane; mitochondrial matrix; mitochondrial proton-transporting ATP synthase complex<br><br>Molecular Function: protein binding; peptidyl-prolyl cis-trans isomerase activity; cyclosporin A binding<br><br>Biological Process: apoptotic mitochondrial changes; protein peptidyl-prolyl isomerization; protein folding; regulation of mitochondrial membrane permeability; negative regulation of ATPase activity; negative regulation of apoptosis |
| **Research Articles on PPIF** | **1.** Clinical trial of gene-disease association and gene-environment interaction. (HuGE Navigator) |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
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