

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

PPIF Antibody

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

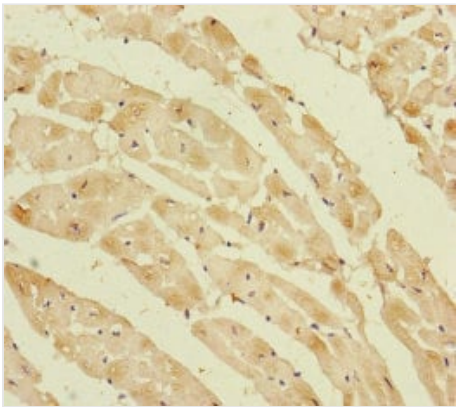
### PRODUCT SYNONYMS

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

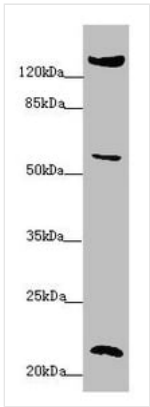
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| 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. |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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/231880>