

## Rabbit PPIG Polyclonal Antibody | anti-PPIG antibody

Phospho-PPIG (Ser376) Antibody

| CATALOG # | HOST   | REACTIVITY                                                                                                                                                 | APPLICATIONS                                                                       |
|-----------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| AAA31370  | Rabbit | Human, Mouse, Rat<br>Predicted Reactivity: Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (92%) | Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA |

### PRODUCT SYNONYMS

PPIG; Polyclonal Antibody; Phospho-PPIG (Ser376) Antibody; CARS cyclophilin; CARS Cyp; CARS-cyclophilin; CARS-Cyp; CASP 10; CASP10; Clk associating RS cyclophilin; Clk-associating RS-cyclophilin; Cyclophilin G; CyclophilinG; CYP; MGC133241; Peptidyl prolyl cis trans isomerase G; Peptidyl prolyl isomerase G (cyclophilin G); Peptidyl prolyl isomerase G; Peptidyl-prolyl cis-trans isomerase G; Peptidyl-prolyl isomerase G; Peptidylprolyl isomerase G (cyclophilin G); Peptidylprolyl isomerase G; PPIase G; Ppigg; PPIG\_HUMAN; Rotamase G; RotamaseG; SCAF10; SR cyclophilin; SR cyp; SR related CTD associated factor 10; SR-cyclophilin; SR-cyp; SRcyp; anti-PPIG antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                         |
| Reactivity                                     | Human, Mouse, Rat<br>Predicted Reactivity: Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (92%)     |
| Clonality                                      | Polyclonal                                                                                                                                                     |
| Isotype                                        | Rabbit IgG                                                                                                                                                     |
| Specificity                                    | Phospho-PPIG (Ser376) Antibody detects endogenous levels of PPIG only when phosphorylated at Ser376.<br>Tissue Specificity: Ubiquitous.                        |
| Purity/Purification                            | The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns. |
| Form/Format                                    | Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                       |
| Concentration                                  | 1mg/ml (varies by lot)                                                                                                                                         |
| Applicable Applications for anti-PPIG antibody | WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA (Peptide ELISA)                                       |
| Application Notes                              | WB: 1:500-1:2000<br>IF/ICC: 1:100-1:500<br>IHC: 1:50-1:200<br>Peptide ELISA: 1:20,000-1:40,000                                                                 |
| Immunogen                                      | A synthesized peptide derived from human PPIG around the phosphorylation site of Ser376.                                                                       |
| Conjugation                                    | Unconjugated                                                                                                                                                   |
| Fragment                                       | Fab fragment                                                                                                                                                   |
| Subunit Structure                              | Interacts with CLK1, PNN and with the phosphorylated C-terminal domain of RNA polymerase II.                                                                   |
| Similarity                                     | The RS domain is required for the interaction with the phosphorylated C-terminal domain of RNA polymerase II.                                                  |
| Subcellular Location                           | Nucleus matrix. Nucleus speckle.<br>Note: Colocalizes with RNA splicing factors at nuclear speckles.                                                           |
| Preparation and Storage                        | Store at -20 degree C. Stable for 12 months from date of receipt.                                                                                              |

IMAGES



Application Data

At 25 degree C. Samples were then incubated with primary Ab(At 37 degree C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody.The nuclear counter stain is DAPI(blue).



IHC (Immunohistochemistry)

At 1/100 staining Human colorectal cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)

At 1/100 staining Human pancreatic cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)

At 1/100 staining Human pancreatic cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)

At 1/100 staining Human kidney cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)

At 1/100 staining Human kidney cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PPIG antibody | PPIase that catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and may therefore assist protein folding. May be implicated in the folding, transport, and assembly of proteins. May play an important role in the regulation of pre-mRNA splicing. |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 229462749                                                                                                                                                                                                                                      |
| NCBI GeneID                      | 9360                                                                                                                                                                                                                                           |
| UniProt Accession #              | Q13427; O00706; Q53R40; Q53SN4; Q96DG9; D3DPC5; D3DPC6                                                                                                                                                                                         |
| Molecular Weight                 | 754                                                                                                                                                                                                                                            |
| NCBI Official Full Name          | Peptidyl-prolyl cis-trans isomerase G                                                                                                                                                                                                          |
| NCBI Official Synonym Full Names | peptidylprolyl isomerase G (cyclophilin G)                                                                                                                                                                                                     |
| NCBI Official Symbol             | PPIG                                                                                                                                                                                                                                           |
| NCBI Official Synonym Symbols    | CYP; SRCyp; SCAF10; CARS-Cyp                                                                                                                                                                                                                   |
| NCBI Protein Information         | peptidyl-prolyl cis-trans isomerase G; CASP10; SR-cyp; PPIase G; rotamase G; cyclophilin G; SR-cyclophilin; CARS-cyclophilin; Clk-associating RS-cyclophilin; SR-related CTD-associated factor 10; peptidyl-prolyl isomerase G (cyclophilin G) |
| UniProt Protein Name             | Peptidyl-prolyl cis-trans isomerase G                                                                                                                                                                                                          |
| UniProt Gene Name                | PPIG                                                                                                                                                                                                                                           |
| UniProt Synonym Gene Names       | PPIase G; Peptidyl-prolyl isomerase G; CARS-Cyp; CARS-cyclophilin; SR-cyclophilin; SR-cyp; SRCyp                                                                                                                                               |

**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/ppig-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-peptide-elisa-elisa/31370>