

## Rabbit anti-Human Peptidyl-prolyl cis-trans isomerase FKBP1A Polyclonal Antibody | anti-FKBP1A antibody

Rabbit anti-human Peptidyl-prolyl cis-trans isomerase FKBP1A polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                              |
|-----------|--------|------------|-------------------------------------------|
| AAA229794 | Rabbit | Human      | Immunohistochemistry, Western Blot, ELISA |

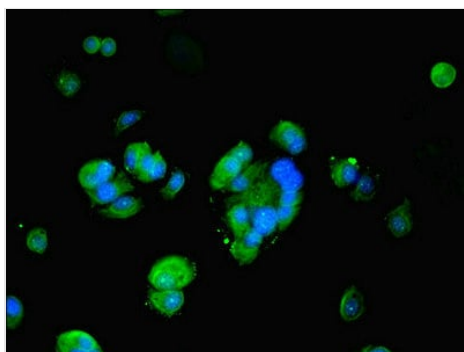
### PRODUCT SYNONYMS

Peptidyl-prolyl cis-trans isomerase FKBP1A; Polyclonal Antibody; Rabbit anti-human Peptidyl-prolyl cis-trans isomerase FKBP1A polyclonal Antibody; Peptidyl-prolyl cis-trans isomerase FKBP1A protein; PPIase FKBP1A; 12 kDa FK506-binding protein; 12 kDa FKBP; FKBP-12; Calstabin-1; FK506-binding protein 1A; FKBP-1A; Immunophilin FKBP12; Rotamase; FKBP1A; FKBP1; FKBP12; anti-FKBP1A antibody

### PRODUCT SPECIFICATIONS

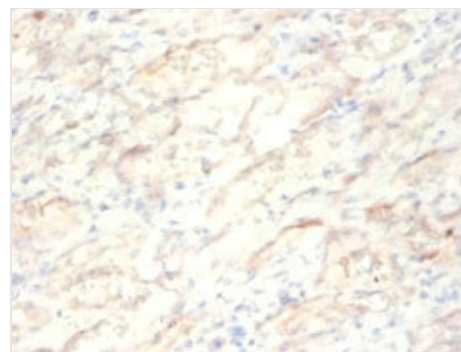
|                                                  |                                                                                                               |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                        |
| Reactivity                                       | Human                                                                                                         |
| Clonality                                        | Polyclonal                                                                                                    |
| Isotype                                          | IgG                                                                                                           |
| Purity/Purification                              | Caprylic Acid Ammonium Sulfate Precipitation purified                                                         |
| Form/Format                                      | Liquid                                                                                                        |
| Sequence Length                                  | 108                                                                                                           |
| Applicable Applications for anti-FKBP1A antibody | IHC (Immunohistochemistry), WB (Western Blot), ELISA                                                          |
| Immunogen                                        | Recombinant human Peptidyl-prolyl cis-trans isomerase FKBP1A protein                                          |
| Conjugation                                      | Non-conjugated                                                                                                |
| Storage Buffer                                   | Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4                                |
| Santa Cruz Alternative                           | Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-6173 / sc-6174 / sc-131521 / sc-28814 |
| Preparation and Storage                          | Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.                      |

### IMAGES



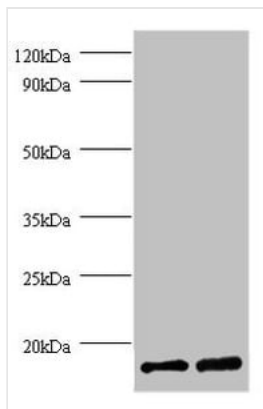
**IHC (Immunohistochemisry)**

Immunofluorescent analysis of MCF-7 cells using AAA229794 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



**IHC (Immunohiostchemistry)**

Immunohistochemistry of paraffin-embedded human kidney using AAA229794 at dilution of 1:50



#### WB (Western Blot)

All lanes: Peptidyl-prolyl cis-trans isomerase FKBP1A antibody at 2ug/ml  
 Lane 1: EC109 whole cell lysate  
 Lane 2: 293T whole cell lysate  
 Secondary: Goat polyclonal to Rabbit IgG at 1/15000 dilution  
 Predicted band size: 12 kDa  
 Observed band size: 12 kDa

### ADDITIONAL INFORMATION

|                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-FKBP1A antibody</b> | <p>May play a role in modulation of ryanodine receptor isoform-1 (RYSR-1), a component of the calcium release channel of skeletal muscle sarcoplasmic reticulum. There are four molecules of FKBP12 per skeletal muscle RYSR. PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides.</p> <p>This protein is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. The protein is a cis-trans prolyl isomerase that binds the immunosuppressants FK506 and rapamycin. It interacts with several intracellular signal transduction proteins including type I TGF-beta receptor. It also interacts with multiple intracellular calcium release channels, and coordinates multi-protein complex formation of the tetrameric skeletal muscle ryanodine receptor. In mouse, deletion of this homologous gene causes congenital heart disorder known as noncompaction of left ventricular myocardium. Multiple alternatively spliced variants, encoding the same protein, have been identified. The human genome contains five pseudogenes related to this gene, at least one of which is transcribed.</p> |
| <b>Product Categories/Family for anti-FKBP1A antibody</b>   | <p>Immunology</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                 |
|----------------------------------|-----------------------------------------------------------------|
| NCBI GI #                        | 4503725                                                         |
| NCBI GeneID                      | 2280                                                            |
| NCBI Accession #                 | NP_000792.1                                                     |
| NCBI GenBank Nucleotide #        | NM_000801.4                                                     |
| UniProt Accession #              | P62942; P20071; Q4VC47; Q6FGD9; Q6LEU3; Q9H103; Q9H566; D3D VW6 |
| Molecular Weight                 | 11,951 Da                                                       |
| NCBI Official Full Name          | peptidyl-prolyl cis-trans isomerase FKBP1A isoform a            |
| NCBI Official Synonym Full Names | FK506 binding protein 1A                                        |
| NCBI Official Symbol             | FKBP1A                                                          |
| NCBI Official Synonym Symbols    | FKBP1; PKC12; PKC12; FKBP12; PPIASE; FKBP-12; FKBP-1A           |
| NCBI Protein Information         | peptidyl-prolyl cis-trans isomerase FKBP1A                      |
| UniProt Protein Name             | Peptidyl-prolyl cis-trans isomerase FKBP1A                      |
| UniProt Gene Name                | FKBP1A                                                          |

|                            |                                                             |
|----------------------------|-------------------------------------------------------------|
| UniProt Synonym Gene Names | FKBP1; FKBP12; PPlase FKBP1A; 12 kDa FKBP; FKBP-12; FKBP-1A |
| UniProt Entry Name         | FKB1A_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/peptidyl-prolyl-cis-trans-isomerase-fkbp1a-antibody-immunohistochemistry-western-blot-elisa/229794>