

## Rabbit FKBP1A Polyclonal Antibody | anti-FKBP1A antibody

FKBP1A Antibody (C-term)

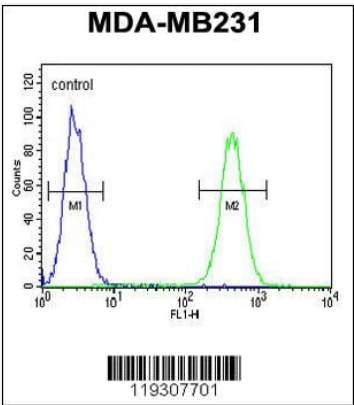
| CATALOG # | HOST   | REACTIVITY                                   | APPLICATIONS                                                                |
|-----------|--------|----------------------------------------------|-----------------------------------------------------------------------------|
| AAA284293 | Rabbit | Human (Predicted Reactivity: Bovine, Rabbit) | Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot |

### PRODUCT SYNONYMS

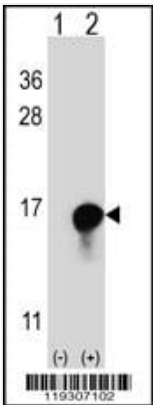
FKBP1A; Polyclonal Antibody; FKBP1A Antibody (C-term); Peptidyl-prolyl cis-trans isomerase FKBP1A; PPIase FKBP1A; 12 kDa FK506-binding protein; 12 kDa FKBP; FKBP-12; Calstabin-1; FK506-binding protein 1A; FKBP-1A; Immunophilin FKBP12; Rotamase; FKBP1; FKBP12; anti-FKBP1A antibody

### PRODUCT SPECIFICATIONS

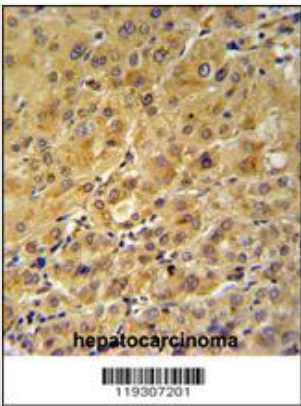
|                                                  |                                                                                                                                                                                           |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                    |
| Reactivity                                       | Human (Predicted Reactivity: Bovine, Rabbit)                                                                                                                                              |
| Clonality                                        | Polyclonal                                                                                                                                                                                |
| Isotype                                          | Rabbit Ig                                                                                                                                                                                 |
| Specificity                                      | This FKBP1A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 55-83 amino acids from the C-terminal region of human FKBP1A.                    |
| Purity/Purification                              | Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                                                 |
| Form/Format                                      | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| Concentration                                    | Vial Concentration: 2 (varies by lot)                                                                                                                                                     |
| Sequence Positions                               | 55-83                                                                                                                                                                                     |
| Sequence Length                                  | 108                                                                                                                                                                                       |
| Applicable Applications for anti-FKBP1A antibody | FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                                                           |
| Antigen Type                                     | Synthetic Peptide                                                                                                                                                                         |
| Antigen Source                                   | HUMAN                                                                                                                                                                                     |
| Preparation and Storage                          | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                                    |



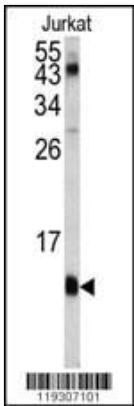
**FCM/FACS (Flow Cytometry)**  
FKBP1A Antibody (C-term) flow cytometric analysis of MDA-MB231 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



**WB (Western Blot)**  
Western blot analysis of FKBP1A (arrow) using rabbit polyclonal FKBP1A Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the FKBP1A gene.



**IHC (Immunohistochemistry)**  
FKBP1A Antibody (C-term) IHC analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the FKBP1A Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



**WB (Western Blot)**  
Western blot analysis of FKBP1A antibody (C-term) in Jurkat cell line lysates (35ug/lane). FKBP1A (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-FKBP1A antibody | FKBP12 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. |
| Product Categories/Family for anti-FKBP1A antibody   | Immunology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| References                                           | Gerard,M., J. Neurochem. 106 (1), 121-133 (2008)<br>Shor,B., Cancer Res. 68 (8), 2934-2943 (2008)<br>Jayaraman,T.,J. Biol. Chem. 267 (14), 9474-9477 (1992)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

NCBI AND UNIPROT INFORMATION

|                  |                          |
|------------------|--------------------------|
| NCBI GI #        | 4503725                  |
| NCBI GeneID      | 2280                     |
| NCBI Accession # | NP_000792.1; NP_463460.1 |

|                                  |                                                                 |
|----------------------------------|-----------------------------------------------------------------|
| NCBI GenBank Nucleotide #        | NM_000801.4                                                     |
| UniProt Accession #              | P62942; P20071; Q4VC47; Q6FGD9; Q6LEU3; Q9H103; Q9H566; D3D VW6 |
| Molecular Weight                 | 11951                                                           |
| NCBI Official Full Name          | peptidyl-prolyl cis-trans isomerase FKBP1A isoform a            |
| NCBI Official Synonym Full Names | FK506 binding protein 1A, 12kDa                                 |
| 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                | <b>FKBP1A</b>                                                   |
| UniProt Synonym Gene Names       | FKBP1; FKBP12; PPIase 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/fkbp1a-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/284293>