

## Rabbit anti-Human FKBP4 Polyclonal Antibody | anti-FKBP4 antibody

FKBP4 Antibody (Center)

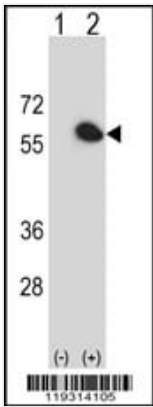
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                          |
|-----------|--------|------------|-------------------------------------------------------|
| AAA284930 | Rabbit | Human      | Western Blot, ELISA, Flow Cytometry, Functional Assay |

### PRODUCT SYNONYMS

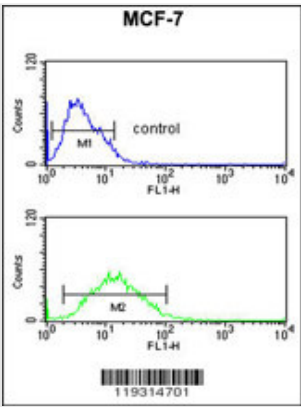
FKBP4; Polyclonal Antibody; FKBP4 Antibody (Center); Peptidyl-prolyl cis-trans isomerase FKBP4; PPIase FKBP4; 51 kDa FK506-binding protein; FKBP51; 52 kDa FK506-binding protein; 52 kDa FKBP; FKBP-52; 59 kDa immunophilin; p59; FK506-binding protein 4; FKBP-4; FKBP59; HSP-binding immunophilin; HBI; Immunophilin FKBP52; Rotamase; N-terminally processed; FKBP52; anti-FKBP4 antibody

### PRODUCT SPECIFICATIONS

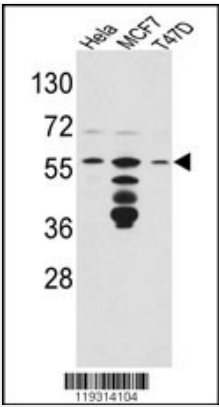
|                                                 |                                                                                                                                                                                           |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                    |
| Reactivity                                      | Human                                                                                                                                                                                     |
| Clonality                                       | Polyclonal                                                                                                                                                                                |
| Isotype                                         | Rabbit Ig                                                                                                                                                                                 |
| Specificity                                     | This FKBP4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 186-216 amino acids from the Central region of human FKBP4.                       |
| 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                              | 186-216                                                                                                                                                                                   |
| Sequence Length                                 | 459                                                                                                                                                                                       |
| Applicable Applications for anti-FKBP4 antibody | WB (Western Blot), ELISA, FCM/FACS (Flow Cytometry)                                                                                                                                       |
| 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.                                    |



**WB (Western Blot)**  
Western blot analysis of FKBP4 (arrow) using rabbit polyclonal FKBP4 Antibody (Center). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the FKBP4 gene.



**FCM/FACS (Flow Cytometry)**  
FKBP4 Antibody (Center) flow cytometric analysis of MCF-7 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



**WB (Western Blot)**  
Western blot analysis of FKBP4 Antibody (Center) in HeLa,MCF7,T47D cell line lysates(35ug/lane).FKBP4(arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-FKBP4 antibody | FKBP4 is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. This protein is a cis-trans prolyl isomerase that binds to the immunosuppressants FK506 and rapamycin. It has high structural and functional similarity to FK506-binding protein 1A (FKBP1A), but unlike FKBP1A, this protein does not have immunosuppressant activity when complexed with FK506. It interacts with interferon regulatory factor-4 and plays an important role in immunoregulatory gene expression in B and T lymphocytes. This protein is known to associate with phytanoyl-CoA alpha-hydroxylase. It can also associate with two heat shock proteins (hsp90 and hsp70) and thus may play a role in the intracellular trafficking of hetero-oligomeric forms of the steroid hormone receptors. This protein correlates strongly with adeno-associated virus type 2 vectors (AAV) resulting in a significant increase in AAV-mediated transgene expression in human cell lines. Thus this protein is thought to have important implications for the optimal use of AAV vectors in human gene therapy. |
| Product Categories/Family for anti-FKBP4 antibody   | Signal Transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| References                                          | Tatro,E.T., J Neuroimmune Pharmacol 4 (2), 218-226 (2009)<br>Ruan,B., Proc. Natl. Acad. Sci. U.S.A. 105 (1), 33-38 (2008)<br>Cox,M.B., Mol. Endocrinol. 21 (12), 2956-2967 (2007)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

NCBI AND UNIPROT INFORMATION

|           |         |
|-----------|---------|
| NCBI GI # | 4503729 |
|-----------|---------|

|                                  |                                                                      |
|----------------------------------|----------------------------------------------------------------------|
| NCBI GeneID                      | 2288                                                                 |
| NCBI Accession #                 | NP_002005.1                                                          |
| NCBI GenBank Nucleotide #        | NM_002014.3                                                          |
| UniProt Accession #              | Q02790; Q9UCP1; Q9UCV7; D3DUQ1                                       |
| Molecular Weight                 | 51805                                                                |
| NCBI Official Full Name          | peptidyl-prolyl cis-trans isomerase FKBP4                            |
| NCBI Official Synonym Full Names | FK506 binding protein 4, 59kDa                                       |
| NCBI Official Symbol             | FKBP4                                                                |
| NCBI Official Synonym Symbols    | HBI; p52; Hsp56; FKBP51; FKBP52; FKBP59; PPIase                      |
| NCBI Protein Information         | peptidyl-prolyl cis-trans isomerase FKBP4                            |
| UniProt Protein Name             | Peptidyl-prolyl cis-trans isomerase FKBP4                            |
| UniProt Gene Name                | <b>FKBP4</b>                                                         |
| UniProt Synonym Gene Names       | FKBP52; PPIase FKBP4; FKBP51; 52 kDa FKBP; FKBP-52; p59; FKBP-4; HBI |
| UniProt Entry Name               | FKBP4_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/fkbp4-antibody-western-blot-flow-cytometry-elisa/284930>