

## Rabbit FKBP1B Polyclonal Antibody | anti-FKBP1B antibody

FKBP1B Antibody (N-term)

| CATALOG # | HOST   | REACTIVITY                                               | APPLICATIONS                                                  |
|-----------|--------|----------------------------------------------------------|---------------------------------------------------------------|
| AAA283615 | Rabbit | Human, mouse (Predicted Reactivity: Bovine, Rabbit, Rat) | Immunofluorescence, Immunohistochemistry, ELISA, Western Blot |

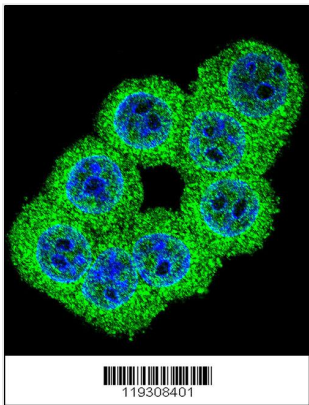
### PRODUCT SYNONYMS

FKBP1B; Polyclonal Antibody; FKBP1B Antibody (N-term); Peptidyl-prolyl cis-trans isomerase FKBP1B; PPlase FKBP1B; 126 kDa FK506-binding protein; 126 kDa FKBP; FKBP-126; FK506-binding protein 1B; FKBP-1B; Immunophilin FKBP126; Rotamase; h-FKBP-12; FKBP126; FKBP1L; FKBP9; OTK4; anti-FKBP1B antibody

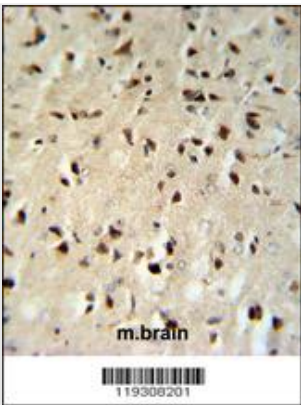
### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                           |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                    |
| Reactivity                                       | Human, mouse (Predicted Reactivity: Bovine, Rabbit, Rat)                                                                                                                                  |
| Clonality                                        | Polyclonal                                                                                                                                                                                |
| Isotype                                          | Rabbit Ig                                                                                                                                                                                 |
| Specificity                                      | This FKBP1B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 16-46 amino acids from the N-terminal region of human FKBP1B.                    |
| 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                               | 16-46                                                                                                                                                                                     |
| Sequence Length                                  | 108                                                                                                                                                                                       |
| Applicable Applications for anti-FKBP1B antibody | IF (Immunofluorescence), 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.                                    |

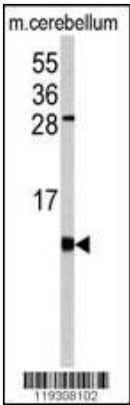
IMAGES



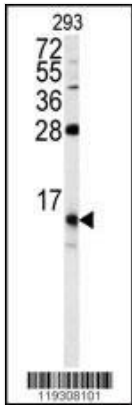
**IF (Immunofluorescence)**  
Confocal immunofluorescent analysis of FKBP1B Antibody (N-term) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



**IHC (Immunohistochemisry)**  
FKBP1B Antibody (N-term) IHC analysis in formalin fixed and paraffin embedded mouse brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the FKBP1B Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



**WB (Western Blot)**  
Western blot analysis of FKBP1B antibody (N-term) in mouse cerebellum tissue lysates (35ug/lane). FKBP1B (arrow) was detected using the purified Pab.



**WB (Western Blot)**  
Western blot analysis of FKBP1B antibody (N-term) in 293 cell line lysates (35ug/lane). FKBP1B (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-FKBP1B antibody | FKBP1B 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 the immunosuppressants FK506 and rapamycin. The protein is highly similar to the FK506-binding protein 1A. Its physiological role is thought to be in excitation-contraction coupling in cardiac muscle. |
| Product Categories/Family for anti-FKBP1B antibody   | Immunology; Neuroscience                                                                                                                                                                                                                                                                                                                                                                                                              |
| References                                           | Arakawa H., Nagase H.Biochem. Biophys. Res. Commun. 200:836-843(1994)<br>Lam E., Martin M.M., Timerman A.P.Biol. Chem. 270:26511-26522(1995)<br>Deivanayagam C.C., Carson M.Acta Crystallogr. D 56:266-271(2000)                                                                                                                                                                                                                      |

NCBI AND UNIPROT INFORMATION

|                           |                                        |
|---------------------------|----------------------------------------|
| NCBI GI #                 | 4758380                                |
| NCBI GeneID               | 2281                                   |
| NCBI Accession #          | NP_004107.1; NP_473374.1               |
| NCBI GenBank Nucleotide # | NM_004116.3                            |
| UniProt Accession #       | P68106; Q13664; Q16645; Q53TM2; Q9BQ40 |

|                                  |                                                                                 |
|----------------------------------|---------------------------------------------------------------------------------|
| Molecular Weight                 | 11783                                                                           |
| NCBI Official Full Name          | peptidyl-prolyl cis-trans isomerase FKBP1B isoform a                            |
| NCBI Official Synonym Full Names | FK506 binding protein 1B, 12.6 kDa                                              |
| NCBI Official Symbol             | FKBP1B                                                                          |
| NCBI Official Synonym Symbols    | OTK4; FKBP1L; PKBP1L; PPIase; FKBP12.6                                          |
| NCBI Protein Information         | peptidyl-prolyl cis-trans isomerase FKBP1B                                      |
| UniProt Protein Name             | Peptidyl-prolyl cis-trans isomerase FKBP1B                                      |
| UniProt Gene Name                | <b>FKBP1B</b>                                                                   |
| UniProt Synonym Gene Names       | FKBP12.6; FKBP1L; FKBP9; OTK4; PPIase FKBP1B; 12.6 kDa FKBP; FKBP-12.6; FKBP-1B |
| UniProt Entry Name               | FKB1B_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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