

**FKBP1B Antibody (N-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP7868d****Specification**

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**FKBP1B Antibody (N-term) - Product Information**

Application	IF, IHC-P, WB,E
Primary Accession	<a href="#">P68106</a>
Other Accession	<a href="#">P97534</a> , <a href="#">Q8HYX6</a> , <a href="#">Q9Z2I2</a> , <a href="#">P68107</a>
Reactivity	Human, Mouse
Predicted	Bovine, Rabbit, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	11783
Antigen Region	16-46

**FKBP1B Antibody (N-term) - Additional Information****Gene ID** 2281**Other Names**

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, FKBP1B, FKBP126, FKBP1L, FKBP9, OTK4

**Target/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.

**Dilution**

IF~~1:10~50  
IHC-P~~1:10~50  
WB~~1:1000  
E~~Use at an assay dependent concentration.

**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.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

FKBP1B Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**FKBP1B Antibody (N-term) - Protein Information**

**Name** FKBP1B ([HGNC:3712](#))

**Function** Has the potential to contribute to the immunosuppressive and toxic effects of FK506 and rapamycin. PPlases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides.

**Cellular Location**

Cytoplasm. Sarcoplasmic reticulum

**Tissue Location**

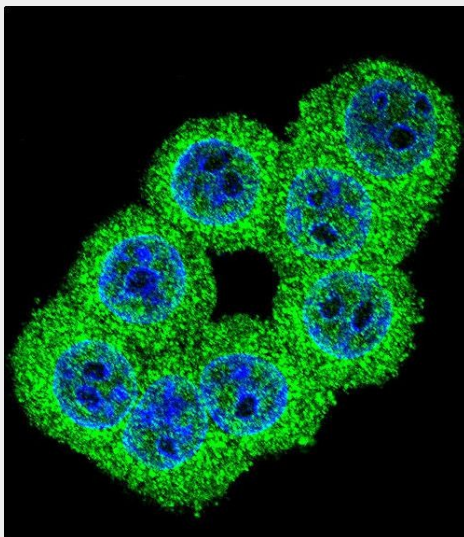
Detected in heart muscle (at protein level). Isoform 1 and isoform 2 are ubiquitous with highest levels in brain and thymus.

**FKBP1B Antibody (N-term) - Protocols**

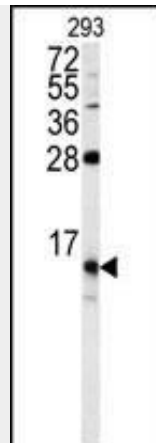
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

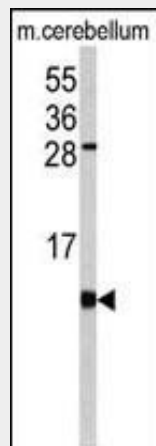
**FKBP1B Antibody (N-term) - Images**



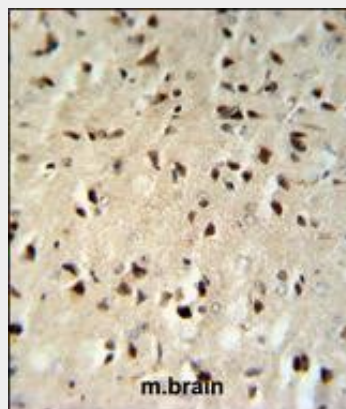
Confocal immunofluorescent analysis of FKBP1B Antibody (N-term)(Cat#AP7868d) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



Western blot analysis of FKBP1B antibody (N-term) (Cat.# AP7868d) in 293 cell line lysates (35ug/lane). FKBP1B (arrow) was detected using the purified Pab.



Western blot analysis of FKBP1B antibody (N-term) (Cat.# AP7868d) in mouse cerebellum tissue lysates (35ug/lane). FKBP1B (arrow) was detected using the purified Pab.



FKBP1B Antibody (N-term) (Cat.# AP7868d) 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.

#### **FKBP1B Antibody (N-term) - Background**

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.

#### **FKBP1B Antibody (N-term) - References**

Arakawa H., Nagase H. Biochem. Biophys. Res. Commun. 200:836-843(1994)

Lam E., Martin M.M., Timmerman A.P. Biol. Chem. 270:26511-26522(1995)

Deivanayagam C.C., Carson M. Acta Crystallogr. D 56:266-271(2000)