

#### FKBP1B Antibody (N-term E6)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP7868a

## **Specification**

#### FKBP1B Antibody (N-term E6) - Product Information

Application IF, WB,E Primary Accession P68106

Other Accession P97534, Q8HYX6, Q9Z2I2, P68107, P62943,

P26883, P62942, P18203

Reactivity Human, Mouse Predicted Bovine, Rabbit, Rat

Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Calculated MW 11783
Antigen Region 1-30

### FKBP1B Antibody (N-term E6) - 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 1-30 amino acids from the N-terminal region of human FKBP1B.

#### **Dilution**

IF~~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.

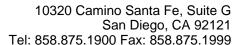
#### Storage

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 E6) is for research use only and not for use in diagnostic or therapeutic procedures.

# FKBP1B Antibody (N-term E6) - 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**

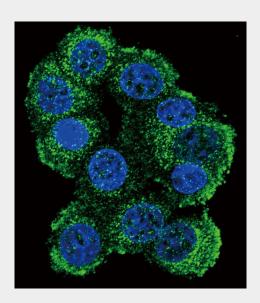
Detected in heart muscle (at protein level). Isoform 1 and isoform 2 are ubiquitous with highest levels in brain and thymus.

## FKBP1B Antibody (N-term E6) - Protocols

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

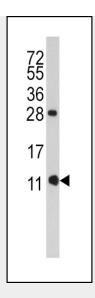
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## FKBP1B Antibody (N-term E6) - Images

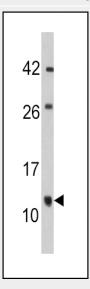


Confocal immunofluorescent analysis of FKBP1B Antibody (N-term E6)(Cat#AP7868a) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).





Western blot analysis of anti-FKBP1B Antibody (N-term E6) (Cat.#AP7868a) in CEM cell line lysates (35ug/lane). FKBP1B (arrow) was detected using the purified Pab.



Western blot analysis of anti-FKBP1B Antibody (N-term E6) (Cat.#AP7868a) in mouse cerebellum tissue lysates (35ug/lane). FKBP1B (arrow) was detected using the purified Pab.

## FKBP1B Antibody (N-term E6) - 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 E6) - References

Arakawa H., Nagase H.Biochem. Biophys. Res. Commun. 200:836-843(1994) Lam E., Martin M.M., Timerman A.P.Biol. Chem. 270:26511-26522(1995) Deivanayagam C.C., Carson M.Acta Crystallogr. D 56:266-271(2000)