

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 <u>P97534</u>, <u>Q8HYX6</u>, <u>Q9Z2I2</u>, <u>P68107</u>, <u>P62943</u>,

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





Tel: 858.875.1900 Fax: 858.875.1999

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

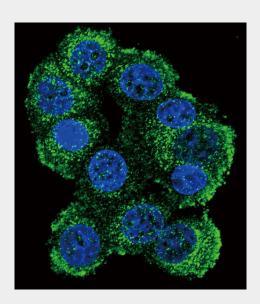
Detected in heart muscle (at protein level). Isoform 1 and isoform 2 are ubiquitous with highest levels in brain and thymus.

FKBP1B Antibody (N-term E6) - Protocols

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

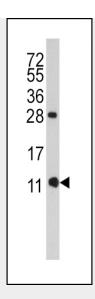
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

FKBP1B Antibody (N-term E6) - Images

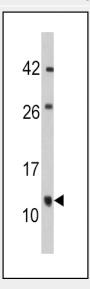


Confocal immunofluorescent analysis of FKBP1B Antibody (N-term E6)(Cat#AP7868a) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).





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)