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Datasheet for ABIN6977448

anti-FKBP1B antibody (AA 21-100) (Alexa Fluor 488)

Overview

| | |
|----------------------|---|
| Quantity: | 100 µL |
| Target: | FKBP1B |
| Binding Specificity: | AA 21-100 |
| Reactivity: | Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This FKBP1B antibody is conjugated to Alexa Fluor 488 |
| Application: | Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)) |

Product Details

| | |
|-----------------------|--|
| Immunogen: | KLH conjugated synthetic peptide derived from human FKBP1B |
| Isotype: | IgG |
| Cross-Reactivity: | Mouse, Rat |
| Predicted Reactivity: | Human, Cow |
| Purification: | Purified by Protein A. |

Target Details

| | |
|-------------------|--|
| Target: | FKBP1B |
| Alternative Name: | FKBP1B (FKBP1B Products) |

Target Details

Background: Synonyms: 12.6 kDa FK506-binding protein, 12.6 kDa FKBP, Calstabin 2, FK506 binding protein 1 like, FK506 binding protein 12.6, FK506 binding protein 1B 12.6 kDa, FK506 binding protein 1B, FK506-binding protein 1B, FKBP1B_HUMAN, FKBP 12.6, FKBP 1B, FKBP 1L, FKBP 9, FKBP-12.6, FKBP-1B, FKBP12.6, Fkbp1b, FKBP1L, FKBP9, h FKBP 12, h-FKBP-12, Immunophilin FKBP12.6, OTK 4, OTK4, Peptidyl prolyl cis trans isomerase 1B, Peptidyl prolyl cis trans isomerase, Peptidyl-prolyl cis-trans isomerase FKBP1B, PKBP 1L, PKBP1L, PPlase 1B, PPlase, PPlase FKBP1B, Rotamase 1B, Rotamase

Background: Associates with the ryanodine receptor (RYR-2) in cardiac muscle sarcoplasmic reticulum and may play a unique physiological role in excitation-contraction coupling in cardiac muscle. There are four molecules of FKBP12.6 per heart muscle RYR. 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.

Gene ID: 2281

UniProt: [P68106](#)

Pathways: [Hormone Transport](#), [Negative Regulation of Hormone Secretion](#), [Negative Regulation of Transporter Activity](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months