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[Primary Antibody]

Rabbit Anti-FKBP1B antibody

Catalog Number: SL16093R

FOR RESEARCH USE ONLY

[DATASHEET]

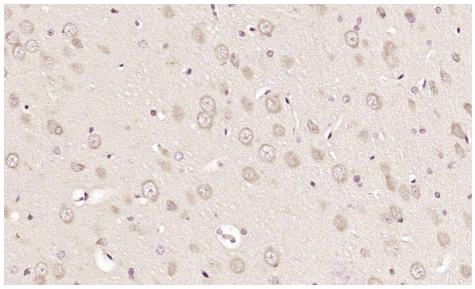
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	FKBP1B
Immunogen:	KLH conjugated synthetic peptide derived from human FKBP1B: 21-100/108
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse,Rat(predicted:Human,Cow)
Predicted MW.:	12kDa
Subcellular Location:	cytoplasmic
Background:	The protein encoded by this gene is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. This encoded protein is a cis-trans prolyl isomerase that binds the immunosuppressants FK506 and rapamycin. It is highly similar to the FK506-binding protein 1A. Its physiological role is thought to be in excitation-contraction coupling in cardiac muscle. There are two alternatively spliced transcript variants of this gene encoding different isoforms. [provided by RefSeq, Jul 2008] **Function:** 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. PPIases

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

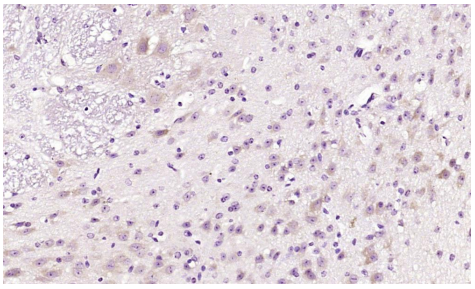
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	accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. **Subcellular Location:** Cytoplasm. **Tissue Specificity:** Isoform 1 and isoform 2 are Ubiquitous with highest levels in brain and thymus. **Similarity:** Belongs to the FKBP-type PPIase family. FKBP1 subfamily. Contains 1 PPIase FKBP-type domain. **Database links:** **Entrez Gene:** 2281 Human **Entrez Gene:** 14226 Mouse Omim: 600620 Human **SwissProt:** P68106 Human **SwissProt:** Q9Z2I2 Mouse **Unigene:** 407482 Human **Unigene:** 709461 Human **Unigene:** 20453 Mouse

[VALIDATION IMAGES]



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FKBP1B) Polyclonal Antibody, Unconjugated (SL16093R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FKBP1B) Polyclonal Antibody, Unconjugated (SL16093R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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