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FKBP1B Rabbit pAb

Catalog # AP99241

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P68106
Other Accession	P68106
Reactivity	Rat, Mouse
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	11783
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FKBP1B
Epitope Specificity	21-100/108
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the FKBP-type PPIase family. FKBP1 subfamily. Contains 1 PPIase FKBP-type domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]

Additional Information

Gene ID	2281
Other Names	FKBP12.6; FKBP1L; OTK4; PKBP1L; PPIase; 12.6kDa; calstabin2; FKB1B_HUMAN; FKBP1B; PPIase FKBP1B; 12.6 kDa FK506-binding protein (12.6 kDa FKBP | FKBP-12.6); FK506-binding protein 1B (FKBP-1B); Immunophilin FKBP12.6; Rotamase; h-FKBP-12; 5.2.1.8; FKBP9; FKB1B_MOUSE; FKBP prolyl isomerase 1B; FK506-binding protein 1B (12.6 kD); FK506 binding protein 1B, 12.6 kDa; FK506 binding protein 1B; calstabin 2
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	FKBP1B (HGNC:3712)
Function	Has the potential to contribute to the immunosuppressive and toxic effects of FK506 and rapamycin. PPIases 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.

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