

产品名称: FKBP1B Rabbit Polyclonal Antibody
产品货号: APRab11003



产品概述 (Summary)

产品名称 (Production Name)	FKBP1B Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	IHC,ELISA
种属反应性 (Reactivity)	Human,Rat,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	FKBP1B Peptidyl-prolyl cis-trans isomerase FKBP1B (PPIase FKBP1B;EC 5.2.1.8;12.6 kDa
别名 (Alternative Names)	FK506-binding protein;12.6 kDa FKBP;FKBP-12.6;FK506-binding protein 1B;FKBP-1B;Immunophilin FKBP12.6;Rotamase;h-FKBP-12)
基因 ID (Gene ID)	2281.0
蛋白 ID (SwissProt ID)	P68106.Synthesized peptide derived from human FKBP1B AA range: 35-85

产品应用 (Application)

稀释比 (Dilution Ratio)	IHC 1:50-1:200,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	

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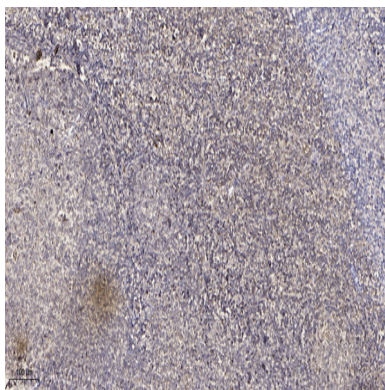


研究背景 (Background)

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], catalytic activity: Peptidylproline ($\omega=180$) = peptidylproline ($\omega=0$), enzyme regulation: Inhibited by both FK506 and rapamycin, 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 accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides, similarity: Belongs to the FKBP-type PPIase family. FKBP1 subfamily, similarity: Contains 1 PPIase FKBP-type domain, tissue specificity: Ubiquitous for both isoforms with highest levels in brain and thymus.

研究领域 (Research Area)

图片 (Image Data)



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200 (4° overnight) . 2, Tris-EDTA, pH 9.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200 (room temperature, 30min) .

注意事项 (Note)

For research use only .