

FKBP1B Rabbit pAb

CatalogNo: YT6282

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- IHC, ELISA

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

IHC 1:50-200

ELISA(peptide) 1:5000-20000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human FKBP1B AA range: 35-85

Specificity This antibody detects endogenous levels of human FKBP1B

Target Information

Gene name FKBP1B FKBP12.6 FKBP1L FKBP9 OTK4

Protein Name Peptidyl-prolyl cis-trans isomerase FKBP1B (PPlase 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)

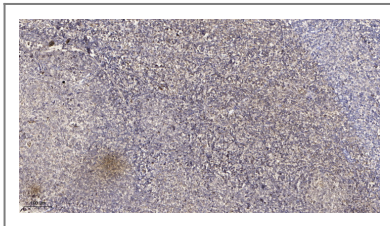
Organism	Gene ID	UniProt ID
Human	2281;	P68106;
Mouse		Q9Z2I2;
Rat		P97534;

Cellular Localization Cytoplasm . Sarcoplasmic reticulum .

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

Function 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. PPlases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides.,similarity:Belongs to the FKBP-type PPlase family. FKBP1 subfamily.,similarity:Contains 1 PPlase FKBP-type domain.,tissue specificity:Ubiquitous for both isoforms with highest levels in brain and thymus.,

Validation Data



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).

Contact information

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