



Rabbit Anti-FKBP25 antibody

SL13178R

Product Name:	FKBP25
Chinese Name:	肽基脯氨酸异构酶FKBP25抗体
Alias:	FKBP 25; FKBP 3; FKBP25; FKBP3; PPIase; Rotamase; FKBP3_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	25kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human FKBP25:31-130/224
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	FKBP25 is a member of the immunophilin protein family. The immunophilins are a highly conserved family of cis-trans peptidyl-prolyl isomerases that bind to and mediate the effects of immunosuppressive drugs, such as cyclosporin, FK506 and rapamycin. They inhibit T-cell proliferation by interrupting two specific cytoplasmic signal transmission pathways. FKBP25 is localized in the nucleus and is expressed in the brain, testis, ovary, and spleen. It may influence immunoregulation and cerebellum development, as well as protein folding and trafficking in neurons. FKBP25 associates

with transcriptional repressor protein YY1 and histone deacetylases, HDAC1 and HDAC2. FKBP25 may contain several casein kinase II phosphorylation sites, which are believed to be important for cell growth regulation.

Function:

FK506 binding proteins (FKBPs) are peptidyl proline isomerase enzymes (catalyzing the interconversion of cis-> trans proline in proteins). Cytosolic FKBPs are inhibited by the immunosuppressive drugs FK506 and rapamycin, and regulate calcineurin signalling in T cells. A unique member of the FKBP family is FKBP25 (also known as FKBP3). It is localized to the nucleus, and has been shown to interact with the transcription factor YY1 and HDAC enzymes. These observations suggest that FKBP25 may play a direct role in transcriptional regulation and chromatin modifications. FKBP25 has also been shown to be down-regulated following p53 induction.

Subcellular Location:

Nuclear

Similarity:

Belongs to the FKBP-type PPIase family.
Contains 1 PPIase FKBP-type domain.

SWISS:

Q00688

Gene ID:

2287

Database links:

[Entrez Gene: 515069](#)Cow

[Entrez Gene: 2287](#)Human

[Entrez Gene: 30795](#)Mouse

[Entrez Gene: 100009004](#)Rabbit

[Entrez Gene: 299104](#)Rat

[Omim: 186947](#)Human

[SwissProt: P26884](#)Cow

[SwissProt: Q00688](#)Human

[SwissProt: Q62446](#)Mouse

[SwissProt: O46638](#)Rabbit

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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