



Rabbit Anti-FKBP38 antibody

SL7067R

Product Name:	FKBP38
Chinese Name:	FK506Binding protein38抗体
Alias:	38 kDa FK 506 binding protein homolog; 38 kDa FK506-binding protein; 38 kDa FKBP; 38kDa antibody FK506 binding protein 8; FK506 binding protein 8, 38kDa; FK506 binding protein, 38kDa; FK506-binding protein 8; FKBP 38; FKBP-38; FKBP-8; FKBP8; FKBP8_HUMAN; FKBPR38; hFKBP38; Peptidyl-prolyl cis-trans isomerase FKBP8; PPIase FKBP8; Rotamase; Sam11.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Cow,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=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:	46kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human FKBP38:255-350/412
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:	Constitutively inactive PPIase, which becomes active when bound to calmodulin and calcium. Seems to act as a chaperone for BCL2, targets it to the mitochondria and modulates its phosphorylation state. The BCL2/FKBP8/calmodulin/calcium complex

probably interferes with the binding of BCL2 to its targets. The active form of FKBP8 may therefore play a role in the regulation of apoptosis.

Homomultimers or heteromultimers (Potential). Forms heterodimer with calmodulin. When activated by calmodulin and calcium, interacts with the BH4 domain of BCL2 and weakly with BCLX isoform Bcl-X(L). Does not bind and inhibit calcineurin. Interacts with HCV NS5A. Interacts with ZFYVE27; may negatively regulate ZFYVE27 phosphorylation.

Tissue specificity: Widely expressed. Highest levels seen in the brain.

Function:

Constitutively inactive PPIase, which becomes active when bound to calmodulin and calcium. Seems to act as a chaperone for BCL2, targets it to the mitochondria and modulates its phosphorylation state. The BCL2/FKBP8/calmodulin/calcium complex probably interferes with the binding of BCL2 to its targets. The active form of FKBP8 may therefore play a role in the regulation of apoptosis.

Subunit:

Homomultimers or heteromultimers (Potential). Forms heterodimer with calmodulin. When activated by calmodulin and calcium, interacts with the BH4 domain of BCL2 and weakly with BCLX isoform Bcl-X(L). Does not bind and inhibit calcineurin. Interacts with HCV NS5A. Interacts with ZFYVE27; may negatively regulate ZFYVE27 phosphorylation.

Subcellular Location:

Mitochondrion membrane; Single-pass membrane protein; Cytoplasmic side (By similarity).

Tissue Specificity:

Widely expressed. Highest levels seen in the brain.

Similarity:

Contains 1 PPIase FKBP-type domain.
Contains 3 TPR repeats.

SWISS:

Q14318

Gene ID:

23770

Database links:

[Entrez Gene: 23770](#)Human

[Entrez Gene: 14232](#)Mouse

[Entrez Gene: 290652](#)Rat

[Oimim: 604840](#)Human

[SwissProt: Q14318](#)Human

[SwissProt: O35465](#)Mouse

[SwissProt: Q3B7U9](#)Rat

[Unigene: 173464](#)Human

[Unigene: 141864](#)Mouse

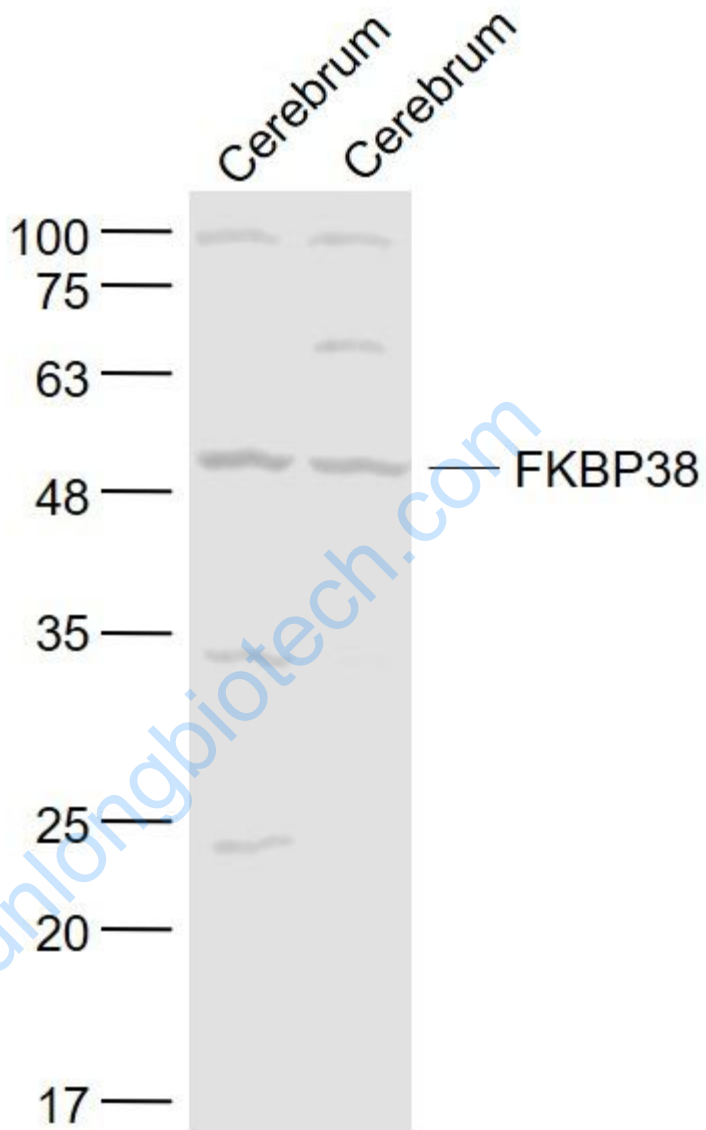
[Unigene: 99789](#)Rat

Important Note:

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

www.sunlongbiotech.com

Picture:



Sample:

Cerebrum (Mouse) Lysate at 40 ug

Cerebrum (Rat) Lysate at 40 ug

Primary: Anti- FKBP38 (SL7067R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 46 kD

	Observed band size: 50 kD
--	---------------------------

www.sunlongbiotech.com