

FKBP38 Antibody

Rabbit mAb

Catalog # AP92509

Product Information

Application	WB, IF, FC, ICC
Primary Accession	Q14318
Reactivity	Human
Clonality	Monoclonal
Other Names	FKBP 38; Fkbp8; FKBP38; hFKBP38; Rotamase; Sam11;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	44562

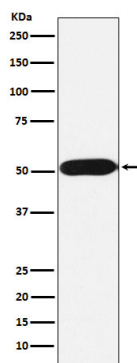
Additional Information

Dilution	WB 1:500~1:2000 ICC/IF 1:50~1:200 FC 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human FKBP38
Description	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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	FKBP8
Synonyms	FKBP38
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. Involved in the inhibition of viral infection by influenza A viruses (IAV) (PubMed: 28169297).
Cellular Location	Mitochondrion. Mitochondrion membrane; Single-pass membrane protein; Cytoplasmic side [Isoform 3]; Mitochondrion membrane; Single-pass membrane protein; Cytoplasmic side
Tissue Location	Widely expressed. Highest levels seen in the brain. Highly abundant in the retina.

Images



Western blot analysis of FKBP38 expression in Jurkat cell lysate.

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