



FKBP8 Polyclonal Antibody

Catalog No	YP-Ab-06915
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	FKBP8 FKBP38
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	FKBP8 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	FK506 binding protein 8;FK506-binding protein 8;FKBP 38;FKBP 8;FKBP38;FKBP8;FKBP8 FKBP38;Peptidyl-prolyl cis-trans isomerase FKBP8 (PPIase FKBP8) (EC 5.2.1.8) (38 kDa FK506-binding protein) (38 kDa FKBP) (FKBP-38) (hFKBP38) (FK506-binding protein 8) (FKBP-8) (FKBPR38) (Rotamase)
Observed Band	45kD
Calculated Molecular Weight	45kD
Cell Pathway	Mitochondrion . Mitochondrion membrane ; Single-pass membrane protein; Cytoplasmic side .; [Isoform 1]: Mitochondrion membrane ; Single-pass membrane protein; Cytoplasmic side .; [Isoform 3]: Mitochondrion membrane ; Single-pass membrane protein; Cytoplasmic side .
Tissue Specificity	Widely expressed. Highest levels seen in the brain. Highly abundant in the retina.
Function	catalytic activity:Peptidylproline (omega=180) = peptidylproline (omega=0)., caution:It is uncertain whether Met-1 or Met-58 is the initiator.,cofactor:Calcium., 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.,miscellaneous: Binds the immunosuppressant FK506 only in its calmodulin/calcium activated form.,sequence caution: The first part of the cDNA maps to the same locus, but in opposite orientation.,similarity: Contains 1 PPlase FKBP-type domain.,similarity: Contains 3 TPR repeats.,subunit: Homomultimers or heteromultimers (Potential). Forms heterodime

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. Unlike the other members of the family, this encoded protein does not seem to have PPlase/rotamase activity. It may have a role in neurons associated with memory function. [provided by RefSeq, Jul 2008],

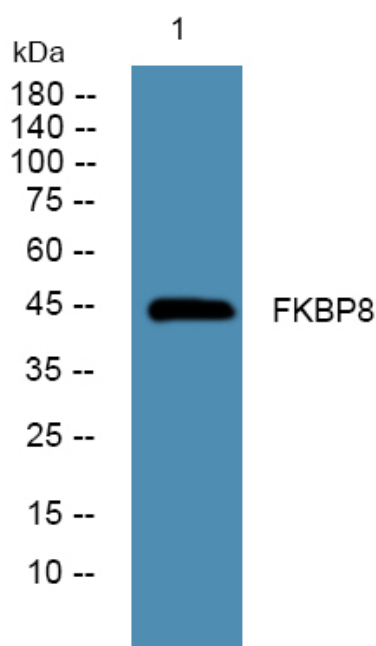
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from KB cells, primary antibody was diluted at 1:1000, 4° over night