

## FKBP38 Polyclonal Antibody

<b>CATALOG NO:</b>	3666-30T	30 µg (Trial size)
	3666-100	100 µg
<b>HOST:</b>	Rabbit	
<b>IMMUNOGEN:</b>	Synthetic peptide surrounding amino acid 344 of mouse FKBP38 (ID# BV-103)	
<b>SPECIES REACTIVITY:</b>	Human, Mouse, Rat	

### FORMULATION:

0.5 mg/ml in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.03% proclin

### STORAGE CONDITIONS:

Store at 4°C for short term. For long term storage, aliquot and freeze at -20°C or -70°C. Avoid repeated freeze/thaw cycles.

### DESCRIPTION:

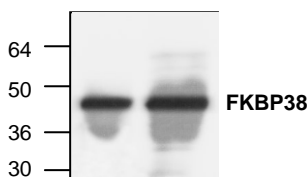
FK506-binding protein 38 (FKBP38), a member of the immunophilin family, has been implicated to play an important role in apoptosis through its involvement in the mechanism that targets Bcl-2 and Bcl-xL to the outer mitochondrial membrane (OMM). Suppression of endogenous FKBP38 by RNAi or transfection of a mutant FKBP38 missing the transmembrane domain necessary for mitochondrial insertion, resulted in the translocation of Bcl-2 and Bcl-xL from the OMM to the cytosol. It has also been suggested that FKBP38 may play a role in the cross-talk between the Bcl-2 and the Calcineurin/NF-AT apoptosis signaling pathways and in cell size regulation through interactions with tuberous sclerosis genes.

### SPECIFICITY:

The antibody recognizes a ~40 kDa band in samples from human, mouse and rat origins. Reactivity to other species has not been tested.

### APPLICATION:

The antibody can be used for Western blotting (0.5-4 µg/ml). However, the optimal concentrations should be determined individually. Blocking peptide (Cat.# 3666BP-50) is available separately.



### Cat.# 3666-100

Western blot analysis of FKBP38 with mouse intestine tissue lysate (left lane) and Jurkat cell lysate (Right lane).

**FOR RESEARCH USE ONLY! Not to be used on humans.**

## RELATED PRODUCTS:

### Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

### Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

### Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

### Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

### Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

### Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

### Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

### Growth Factors and Cytokines

### Monoclonal and Polyclonal Antibodies