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Datasheet for ABIN233735

anti-FKBP8 antibody (Internal Region)

1 Image

Overview

Quantity:	100 µg
Target:	FKBP8
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FKBP8 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	This protein A purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region of human FKBP8 protein. Immunogen Type: Peptide
Isotype:	IgG
Specificity:	This product was protein A purified from monospecific antiserum by immunoaffinity chromatography using protein A coupled to agarose beads. This antibody is specific for human FKBP8 protein. A BLAST analysis was used to suggest partial cross-reactivity with FKBP8 from mouse and rat sources based on ~93% homology with the immunizing sequence. Cross-reactivity with FKBP8 from other sources has not been determined.
Cross-Reactivity:	Mouse (Murine), Rat (Rattus)

Product Details

Characteristics:	FKBP8 (also known as FK506-binding protein 38) is a member of the immunophilin family that 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 FKBP8 by RNAi or transfection of a mutant FKBP8 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 FKBP8 may play
Purification:	affinity purified
Sterility:	Sterile filtered

Target Details

Target:	FKBP8
Alternative Name:	FKBP8 (FKBP8 Products)
Background:	FKBP8 (also known as FK506-binding protein 38) is a member of the immunophilin family that 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 FKBP8 by RNAi or transfection of a mutant FKBP8 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 FKBP8 may play Synonyms: 38 kDa FK 506 binding protein homolog antibody, 38kDa antibody, FK506 binding protein 8 antibody, FKBP 38 antibody
Gene ID:	23770, 52630440
UniProt:	Q14318
Pathways:	Autophagy

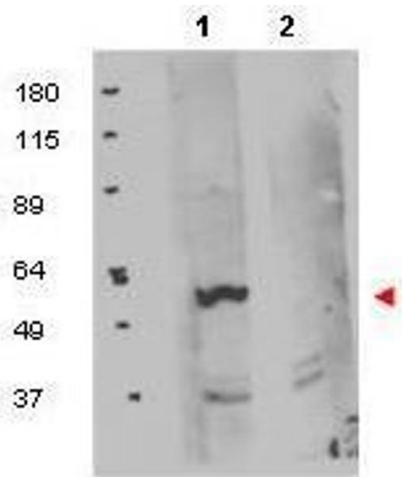
Application Details

Application Notes:	This protein A purified antibody has been tested for use in ELISA and western blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 64 kDa in size corresponding to FKBP8 by western blotting in the appropriate cell lysate or extract.
Comment:	Gene Name: FKBP8
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	Store vial at 4 °C prior to restoration. For extended storage aliquot contents and freeze at -20 °C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4 °C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is three (3) months from date of opening.
Expiry Date:	3 months

Images



Western Blotting

Image 1. Western blot using protein A purified anti-FKBP8 antibody shows detection of exogenous FKBP8 in 50 µg of HEK293T whole cell lysate (lane 1). The results of peptide competition are shown in lane 2 where no specific staining is noted after the antibody is first incubated for 1h with the immunizing peptide in 5% BLOTTO prior to reaction with the membrane. The membrane was probed with the primary antibody at a 1:1,000 dilution in 5% BLOTTO at 4° C, overnight. Personal Communication, Olga Aprelikova, CCR-NCI, Bethesda, MD.