

Datasheet for 200-401-A58S**FKBP8 Antibody****Overview**

Description:	Anti-FKBP8 (RABBIT) Antibody - 200-401-A58S
Item No.:	200-401-A58S
Size:	25 µL
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	This antibody is designed, produced, and validated as part of a collaboration between Rockland and the National Cancer Institute (NCI). 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 a role in the regulation of apoptosis. Anti-FKBP8 Antibody is useful for researchers interested in HIV, Cancer, and Metabolism of protein research.
Synonyms:	rabbit anti-FKBP8 Antibody, FKBP 8, FKBP-38, 38 kDa FK 506 binding protein homolog antibody, 38kDa antibody, FK506 binding protein 8 antibody, FKBP 38 antibody
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	FKBP8
Reactivity:	Human
Immunogen Type:	Conjugated Peptide

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.
Purity/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.
Relevant Links:	• UniProtKB - Q14318 • NCBI - 52630440 • GenelD - 23770

Application Details

Tested Applications:	ELISA, WB
Application Note:	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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:25,000
WB:	1:500-1:2,000

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	2.3 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

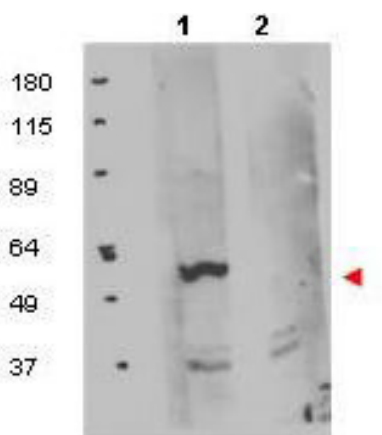
Shipping & Handling

Shipping Condition:	Dry Ice
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Storage Condition: Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.

Expiration: Expiration date is three (3) months from date of receipt.

Images



Western Blot

Western blot using Rockland's 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.

Disclaimer

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