

Datasheet for 600-401-BE8**FKBP12 Antibody****Overview**

Description:	Anti-FKBP12 (RABBIT) Antibody - 600-401-BE8
Item No.:	600-401-BE8
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	FKBP, or FK506 binding protein, is a family of proteins that have prolyl isomerase activity and are related to the cyclophilins in function (1). FKBP12, also called FKBP1, was originally identified as a target of FK506 and rapamycin activity and catalyzes the transition between cis and transproline residues critical for proper folding of proteins (2). FKBP12 is an abundant, evolutionarily conserved cytoplasmic protein that is an important regulator of diverse array of cellular processes including T cell activation, entry into the cell cycle and intracellular calcium release (3-5).
Synonyms:	FKBP12 Antibody, FKBP1, PKC12, PKC12, FKBP12, PPIASE, FKBP-12, FKBP-1A, FKBP1, Peptidyl-prolyl cis-trans isomerase FKBP1A, 12 kDa FK506-binding protein, PPIase FKBP1A
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	FKBP1A
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-FKBP12 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid peptide near the internal region of human FKBP12.

Purity/Specificity: Anti-FKBP12 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. FKBP12 antibody is human, mouse and rat reactive.

Relevant Links:

- [UniProtKB - P62942](#)
- [GeneID - 2280](#)
- [NCBI - NP_463460](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-FKBP12 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 12 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000 - 1:20,000

IF: 20 µg/mL

WB: 1-2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1.0 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

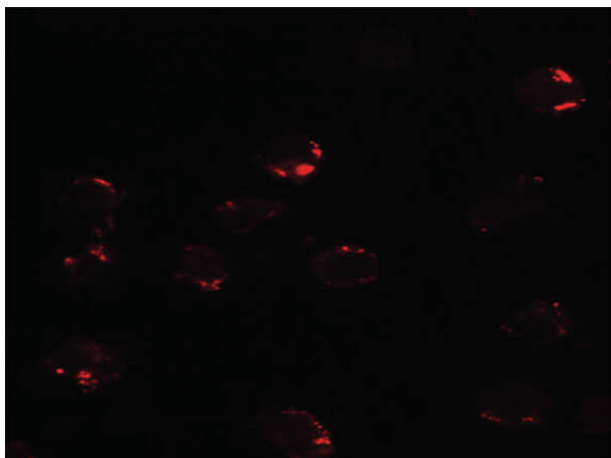
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. 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.

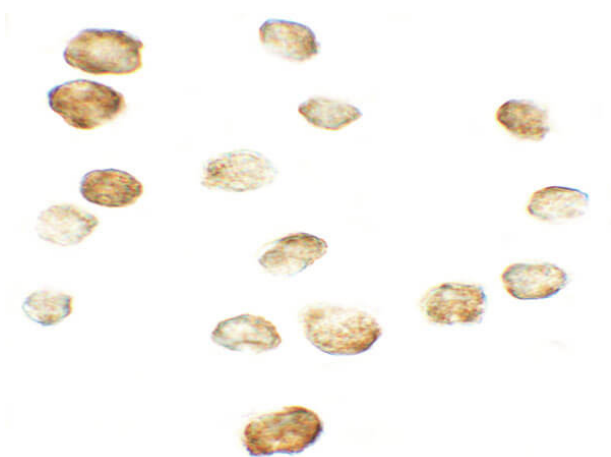
Expiration: Expiration date is one (1) year from date of receipt.

Images



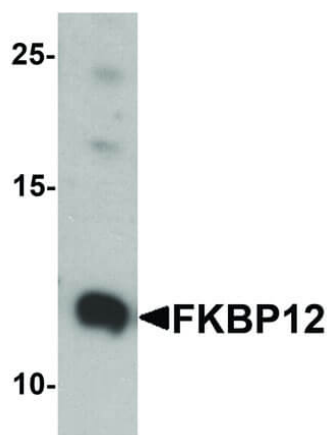
Immunofluorescence Microscopy

Immunofluorescence Microscopy of Rabbit anti-FKBP12 antibody. Tissue: A431 cells. Primary antibody: FKBP12 antibody at 20 µg/mL. Secondary antibody: Fluorescein rabbit secondary antibody at 1:20,000. Localization: FKBP12 is cytoplasmic. Staining: FKBP12 as red fluorescent signal.



Immunocytochemistry

Immunocytochemistry of Rabbit anti-FKBP12 antibody. Tissue: A431 cells. Primary antibody: FKBP12 antibody at 5 µg/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:5,000. Localization: FKBP12 is cytoplasmic. Staining: FKBP12 as precipitated brown signal.



Western Blot

Western Blot of Rabbit anti-FKBP12 antibody. Lane A: A431 cell lysate. Primary antibody: FKBP12 antibody at 1 µg/mL overnight at 4°C. Secondary antibody: Goat Anti-Rabbit HRP secondary antibody. Block: 5% BLOTTO. Predicted/Observed size: 12 kDa, 12 kDa for FKBP12.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.