

Certificate of Analysis

Product: Affinity Purified Anti-F-Box Protein 43 (Fbp5B) (Rabbit)

Code: 600-401-485

Lot #: 14175

Size: 100 µg

Physical State: Liquid (sterile filtered)

Antibody Concentration: 1.3 mg/ml (by UV absorbance at 280 nm)

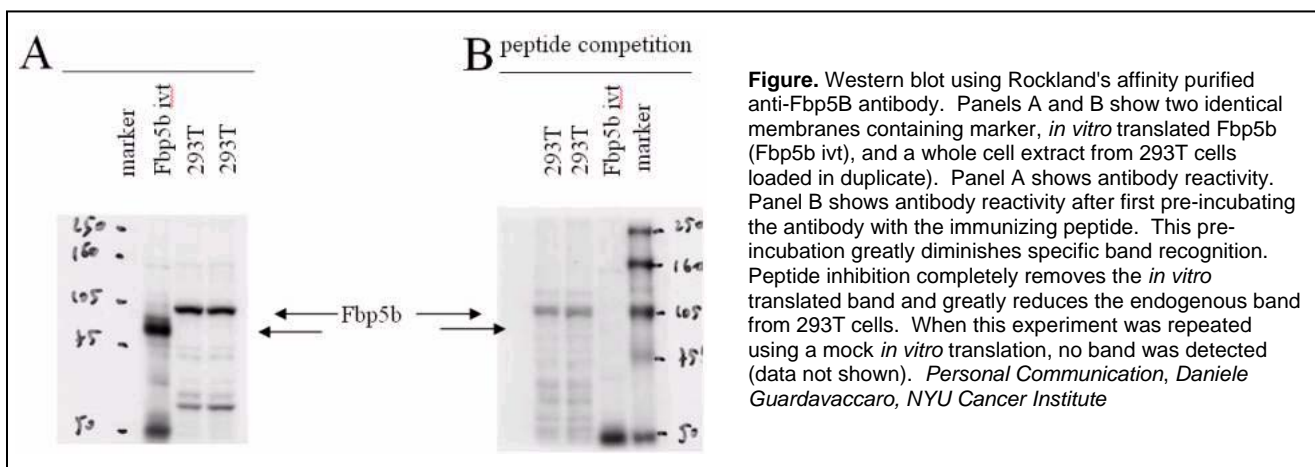
Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Stabilizer: None

Preservative: 0.01% (w/v) Sodium Azide

Storage Conditions: Store vial at -20° C prior to opening. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Expiration date is one (1) year from date of opening.

Background Information: Fbp5B (also called F-Box protein 43 or Fbx043) is a relatively new member of the F-box protein family that is characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of the ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into 3 classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene belongs to the Fbxs class.



Application Note(s): This affinity-purified antibody has been tested for use in ELISA and western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 105 kDa in size corresponding to Fbp5B protein by western blotting in the appropriate cell lysate or extract. Predicted molecular weight is 51 kDa.

Recommended Dilutions:

ELISA	1:10,000 - 1:50,000
WESTERN BLOT	1:500 - 1:3,000
IF MICROSCOPY	User Optimized
OTHER APPLICATION	User Optimized

e-mail: info@rockland-inc.com

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Purity and Specificity: This affinity-purified antibody is directed against human Fbp5B protein. The product was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest cross reactivity with Fbp5B protein from human and chimpanzee based on 100% homology with the immunizing sequence. Reactivity against homologues from other sources is not known.

Immunogen: This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a region approximately 60 residues downstream of the amino terminal end of human Fbp5B protein.

Relevant Links: NCBI [NP_001025031](#) Swis-Prot [Q4G163](#)

Protein Sequence: Human Fbp5B-2, 466 aa, predicted MW 51.3 kDa

General References:

Jin,J., Cardozo,T., Lovering,R.C., Elledge,S.J., Pagano,M. and Harper,J.W. (2004) Systematic analysis and nomenclature of mammalian F-box proteins. *Genes Dev.* **18** (21), 2573-2580.

Related Product(s):

#600-401-490	Affinity Purified Anti-Human Fbp5A [Rabbit]
#600-401-485	Affinity Purified Anti-Human Fbp5B [Rabbit]
#611-703-127	Peroxidase Conjugated Affinity Purified Anti-RABBIT IgG (H&L) (DONKEY) MX10
#611-132-122	IRDye® 800 Conjugated Affinity Purified Anti-RABBIT IgG (H&L) (GOAT) MX10
#611-145-122	DyLight™ 680 Conjugated Affinity Purified Anti-RABBIT IgG (H&L) (GOAT) MX10
#B501-0500	BLOTTO (500 g)
#BSA-30	30% BOVINE SERUM ALBUMIN SOL'N in 0.85% sodium chloride (no preservative or stabilizer) (500 ml)
#B304	NORMAL GOAT SERUM (NGS) (10 ml)
#KIA-003	MaxTag™ Anti-RABBIT IgG Kit for Immunoblotting
#MB-070	Blocking Buffer for Fluorescent Western Blotting

Note: 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 326, Gilbertsville, Pennsylvania, USA.