Datasheet for 600-401-490

Fbp5A Antibody

Overview

Description:	Anti-F-Box Protein Fbp5A (RABBIT) Antibody - 600-401-490
Item No.:	600-401-490
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Fbp5A is a 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. This protein is similar to Xenopus early mitotic inhibitor-1 (Emi1), which is a mitotic regulator that interacts with Cdc20 and inhibits the anaphase-promoting complex.
Synonyms:	rabbit anti-F-Protein Only Protein 5/Fbp5A antibody, rabbit anti-F-Protein Only Protein 5 antibody, rabbit anti-Fbp5A antibody, FBXO5, EMI1, FBX5, F-Box Protein Antibody, Early mitotic inhibitor 1 antibody
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	FBXO5
Reactivity:	Human
Immunogen Type:	Conjugated Peptide

Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a region near the amino terminal end of human Fbp5A protein.
Purity/Specificity:	This affinity-purified antibody is directed against human Fbp5A protein. The product was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest cross reactivity with Fbp5A protein from human and chimpanzee based on 100% homology with the immunizing sequence. Expect partial reactivity with Fbp5A from dog based on partial (~92%, 13/14) sequence homology. Reactivity against homologues from other sources is not known.
Relevant Links:	• UniProtKB - Q9UKT4 • NCBI - 6912366 • GeneID - 26271

Application Details

Tested Applications:	ELISA, IHC, WB
Application Note:	This affinity-purified antibody has been tested for use in ELISA, immunohistochemistry and western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 51 kDa in size corresponding to Fbp5A protein 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:	1:5,000 - 1:20,000
IHC:	1:500 - 1:3,000
WB:	1:500 - 1:3,000

Formulation

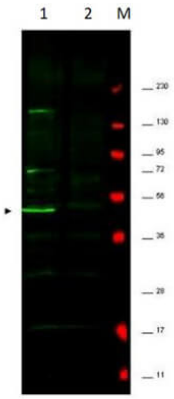
Physical State:	Liquid (sterile filtered)
Concentration:	1.3 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

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

Immunohistochemistry
Rockland's Affinity Purified anti-Fbp5a antibody shows strong cytoplasmic and membranous staining of bile duct cells in human liver tissue. Tissue was formalin-fixed and paraffin embedded. Brown color indicates presence of protein, blue color shows cell nuclei. Personal Communication, Kenneth Wester, www.proteinatlas.org, Uppsala, Sweden.



Western Blot
Western blot using Rockland's affinity purified anti-Fbp5A antibody shows detection of a major band corresponding to Fbp5A protein. Lane 1: HeLa whole cell lysate (p/n W09-000 -364). The identity of cross-reactive minor bands at ~72 kDa and 150 kDa is unknown. Lane 2: Specific band staining is blocked when the antibody is pre-incubated with the immunizing peptide. Approximately 33 µg of lysate was loaded per lane onto a 4-20% gradient gel followed by transfer to nitrocellulose. The membrane was blocked using BLOTTO. Primary antibody was used at a 1:500 dilution in BLOTTO (p/n B501-0500). The membrane was washed and reacted with a 1:10,000 dilution of IRDye™800 Conjugated Affinity Purified Goat-anti-Rabbit IgG [H&L] MX10 (800 nm channel, green). Molecular weight estimation was made by comparison to prestained MW markers indicated at the right (lane M, 700 nm channel, red). Other detection systems will yield similar results.

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.