

Datasheet for ABIN129601

anti-FBXO5 antibody (N-Term)



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1 Image

Overview

Quantity:	100 µg
Target:	FBXO5
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Purpose:	Fbp5A Antibody
Immunogen:	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. Immunogen Type: Conjugated Peptide
Isotype:	IgG
Cross-Reactivity (Details):	This affinity-purified antibody is directed against human Fbp5A protein.
Characteristics:	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
Purification:	The product was affinity purified from monospecific antiserum by immunoaffinity purification.
Sterility:	Sterile filtered

Target Details

Target:	FBXO5
Alternative Name:	FBXO5 (FBXO5 Products)
Background:	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.
Gene ID:	26271, 6912366
UniProt:	Q9UKT4
Pathways:	Mitotic G1-G1/S Phases

Application Details

Application Notes:	Immunohistochemistry Dilution: 1:500 - 1:3,000 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. Western Blot Dilution: 1:500 - 1:3,000 ELISA Dilution: 1:5,000 - 1:20,000
Restrictions:	For Research Use only

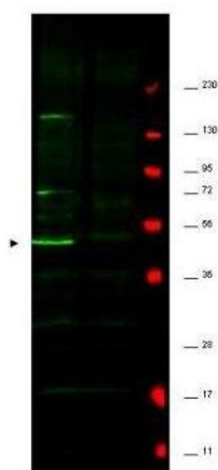
Handling

Format:	Liquid
Concentration:	1.3 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: None Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide

Handling

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 -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.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Western blot using affinity purified anti-Fbp5A antibody shows detection of a major band corresponding to Fbp5A protein in a human HeLa whole cell lysate (lane 1 arrowhead). The identity of cross-reactive minor bands at ~72 kDa and 150 kDa is unknown. Specific band staining is blocked when the antibody is pre-incubated with the immunizing peptide (lane 2). 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. The membrane was washed and reacted with a 1:10,000 dilution of 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.