

Anti-F-Box Protein 43 (Fbp5B) (RABBIT) Antibody
Fbp5B Antibody
Catalog # ASR5255**Specification****Anti-F-Box Protein 43 (Fbp5B) (RABBIT) Antibody - Product Information**

Host	Rabbit
Conjugate	Unconjugated
Target Species	Human
Reactivity	Rat, Chimpanzee, Human, Mouse
Clonality	Polyclonal
Application	WB, E, IP, I, LCI
Application Note	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.
Physical State	Liquid (sterile filtered)
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
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. Human Fbp5B-2, 466 aa, predicted MW 51.3 kDa
Preservative	0.01% (w/v) Sodium Azide

Anti-F-Box Protein 43 (Fbp5B) (RABBIT) Antibody - Additional Information**Gene ID** 286151**Other Names**
286151**Purity**

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.

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.

Precautions Note

This product is for research use only and is not intended for therapeutic or diagnostic applications.

Anti-F-Box Protein 43 (Fbp5B) (RABBIT) Antibody - Protein Information

Name FBXO43

Synonyms EMI2

Function

Required to establish and maintain the arrest of oocytes at the second meiotic metaphase until fertilization. Acts by inhibiting the anaphase-promoting complex/cyclosome (APC/C) ubiquitin ligase. Probably recognizes and binds to some phosphorylated proteins and promotes their ubiquitination and degradation (PubMed: <http://www.uniprot.org/citations/34052850> target="_blank">34052850, PubMed: <http://www.uniprot.org/citations/34595750> target="_blank">34595750). Plays a vital role in modulating the ubiquitilation of CCNB1 and CDK1 during gametogenesis.

Tissue Location

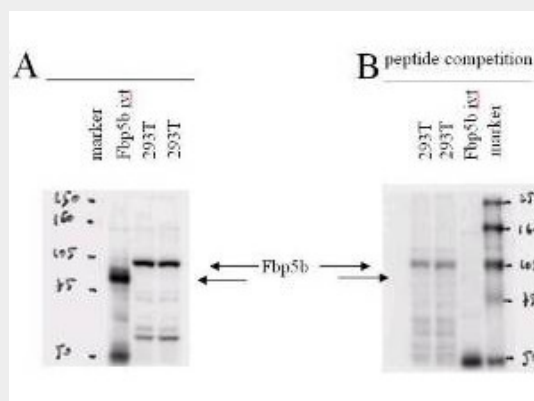
Expressed in the testis.

Anti-F-Box Protein 43 (Fbp5B) (RABBIT) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-F-Box Protein 43 (Fbp5B) (RABBIT) Antibody - Images



Western blot using Rockland's affinity purified anti-Fbp5B antibody. Panels A and B show two identical membranes containing marker, in vitro translated Fbp5b (Fbp5b ivt), and a whole cell extract from 293T cells loaded in duplicate). Panel A shows antibody reactivity. Panel B shows antibody reactivity after first pre-incubating the antibody with the immunizing peptide. This pre-incubation greatly diminishes specific band recognition. Peptide inhibition completely removes the in vitro translated band and greatly reduces the endogenous band from 293T cells. When this experiment was repeated using a mock in vitro translation, no band was detected (data not shown). Personal Communication, Daniele Guardavaccaro, NYU Cancer Institute

Anti-F-Box Protein 43 (Fbp5B) (RABBIT) Antibody - Background

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.