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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:34052850, PubMed:34595750). Plays a vital role in modulating the ubiquitilation of CCNB1 and CDK1 during gametogenesis.

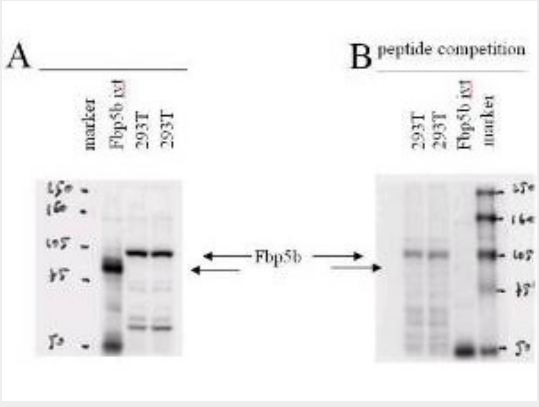
Tissue Location
Expressed in the testis.

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 Cytomety
- Cell Culture

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



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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.