

Datasheet for 600-401-918**F-Box Only Protein 9 Antibody****Overview**

Description:	Anti-F-Box Only Protein 9 (FBOX9) (RABBIT) Antibody - 600-401-918
Item No.:	600-401-918
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	F-box only protein 9 (also called FBOX9 and Fbp9) is a member of the F-box protein family, which 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. Anti-F-Box 9 Antibody is useful for researchers interested in Multiple Myeloma and Epilepsy, as well as the immune system and Ubiquitin pathway research.
Synonyms:	rabbit anti-F-Box Only Protein 9 antibody, rabbit anti-FBXO9 antibody, FBX9, VCIA1, Cross-immune reaction antigen 1 antibody, Renal carcinoma antigen NY-REN-57 antibody
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	FBXO9
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 the C-Terminal region near amino acids 425-447 of human FBOX9 protein.
Purity/Specificity:	This affinity-purified antibody is directed against human FBOX9 protein. The product was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest cross reactivity with FBOX9 protein from human, dog, rat and chimpanzee based on 100% homology with the immunizing sequence. Expect partial reactivity with homologues from zebrafish, bovine and mouse (94% homology) as well as chicken (88%) and Xenopus laevis (82%). Reactivity is expected against all known isoforms of this protein, as the immunogen sequence is common to their carboxy-terminal ends. Reactivity against homologues from other sources is not known.
Relevant Links:	• NCBI - 53692184 • NCBI - Q9UK97.1 • UniProtKB - Q9UK97 • GenelD - 26268

Application Details

Tested Applications:	ELISA, WB
Application Note:	This affinity purified antibody has been tested for use in ELISA and by western blot. Specific conditions for reactivity should be optimized by the end user. Although the predicted MW of FBOX9 isoform 1 is 52 kDa, antibody reactivity against MCF7 whole cell lysates shows a predominant band at 100 kDa. This band is believed to be FBOX9 and the higher apparent MW may be due to its association with other proteins. Isoforms 1, 2 and 3 have reported molecular weights of 52.3, 51.1 and 47.3 kDa, respectively.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	User Optimized
WB:	1:1000

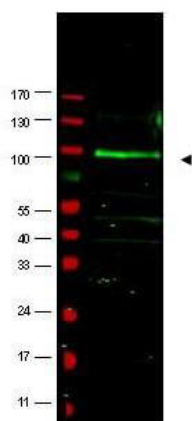
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.53 mg/mL
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



Western Blot

Western blot using Rockland's affinity purified anti-FBOX9 antibody shows detection of a band at ~100 kDa (arrowhead) believed to correspond to FBOX9 present in a MCF7 whole cell lysate (p/n W09-000-360). Specific band reactivity is greatly diminished when the antibody is pre-incubated with the immunizing peptide (data not shown). Approximately 35µg of lysate was separated by 4-20% Tris Glycine SDS-PAGE. After blocking, the membrane was probed overnight at 4°C with the primary antibody diluted to 1:1,500. The membrane was washed and reacted with a 1:10,000 dilution of IRDye800 conjugated Gt-a-Rabbit IgG [H&L] (p/n 611-132-122) for 45 min at room temperature (800 nm channel, green). Molecular weight estimation was made by comparison to prestained MW markers (indicated at left, 700 nm channel, red). IRDye800 fluorescence image was captured using the Odyssey® Infrared Imaging System developed by LI-COR. IRDye is a trademark of LI-COR, Inc. Other detection systems will yield similar results.

Disclaimer

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