

## Product datasheet for **AP09310PU-N**

### **FBX09 (431-447) Rabbit Polyclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	ELISA, WB
<b>Recommended Dilution:</b>	ELISA: 1/5,000 - 1/25,000. Western Blot: 1/500 - 1/2,000.
<b>Reactivity:</b>	Bovine, Canine, Chimpanzee, Chicken, Human, Mouse, Rat, Xenopus, Zebrafish
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	Synthetic peptide corresponding to amino acids 431-447 of human FBOX9 protein
<b>Specificity:</b>	This antibody is directed against FBOX9 protein.
<b>Formulation:</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 containing 0.01% (w/v) Sodium Azide State: Aff - Purified State: Liquid purified Ig
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Affinity chromatography
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store the antibody at -20°C. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	F-box protein 9
<b>Database Link:</b>	<a href="#">Entrez Gene 26268 Human Q9UK97</a>



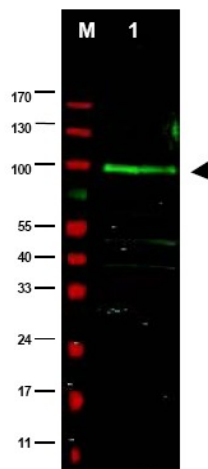
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**Background:**

F-box only protein 9 (also called FBXO9 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 Fbox 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. Alternative splicing of this gene generates at least 3 transcript variants diverging at the 5' terminus. Isoform 1 is distinct from isoforms 2 and 3 at the N-terminus.

**Synonyms:**

F-box only protein 9, NY-REN-57, FBX9, VCIA1

**Product images:**

Western blot using affinity purified anti-FBXO9 antibody shows detection of a band at ~100 kDa (arrowhead) believed to correspond to FBXO9 present in a MCF7 whole cell lysate (lane 1). Specific band reactivity is greatly diminished when the antibody is pre-incubated with the immunizing peptide (data not shown). Approximately 35  $\mu$ g 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 IRDye (TM)800 conjugated Gt-a-Rabbit IgG [H&L] 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). IRDye (TM)800 fluorescence image was captured using the Odyssey (R) Infrared Imaging System developed by LI-COR. IRDye is a trademark of LI-COR, Inc. Other detection systems will yield similar results.