

**FBXO4 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP9295c****Specification**

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**FBXO4 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q9UKT5</a>
Other Accession	<a href="#">Q8CHQ0</a> , <a href="#">Q3T0J1</a>
Reactivity	Human
Predicted	Bovine, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	44136
Antigen Region	225-251

**FBXO4 Antibody (Center) - Additional Information****Gene ID** 26272**Other Names**

F-box only protein 4, FBXO4, FBX4

**Target/Specificity**

This FBXO4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 225-251 amino acids from the Central region of human FBXO4.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

FBXO4 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**FBXO4 Antibody (Center) - Protein Information****Name** FBXO4

## Synonyms FBX4

**Function** Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex that mediates the ubiquitination and subsequent proteasomal degradation of target proteins (PubMed:[10531035](#), PubMed:[18598945](#), PubMed:[20181953](#), PubMed:[29142209](#)). Promotes ubiquitination of cyclin-D1 (CCND1) and its subsequent proteasomal degradation (PubMed:[18598945](#)). However, it does not act as a major regulator of CCND1 stability during the G1/S transition (By similarity). Recognizes TERF1 and promotes its ubiquitination together with UBE2D1 (PubMed:[16275645](#), PubMed:[20159592](#)). Promotes ubiquitination of FXR1 following phosphorylation of FXR1 by GSK3B, leading to FXR1 degradation by the proteasome (PubMed:[29142209](#)).

## Cellular Location

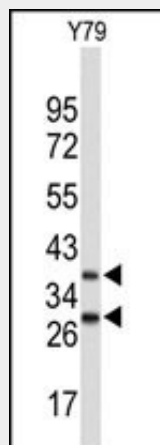
Cytoplasm {ECO:0000250|UniProtKB:Q8CHQ0}.

## FBXO4 Antibody (Center) - 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](#)

## FBXO4 Antibody (Center) - Images



Western blot analysis of FBXO4 Antibody (Center) (Cat. #AP9295c) in Y79 cell line lysates (35ug/lane). FBXO4 (arrow) was detected using the purified Pab.

## FBXO4 Antibody (Center) - Background

FBXO4 encodes 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 belongs to the Fbxs class.

#### **FBXO4 Antibody (Center) - References**

Zeng,Z., et.al., Dev. Cell 18 (2), 214-225 (2010)  
Barbash,O., et.al., Cancer Cell 14 (1), 68-78 (2008)  
Sugiyama,N., et.al., Mol. Cell Proteomics 6 (6), 1103-1109 (2007)