

FBXO3 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9195b**Specification**

FBXO3 Antibody (C-term) - Product Information

Application	FC, WB,E
Primary Accession	O9UK99
Other Accession	D4ABP9 , Q9DC63 , A6H7H7
Reactivity	Human
Predicted	Bovine, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	54561
Antigen Region	395-422

FBXO3 Antibody (C-term) - Additional Information**Gene ID** 26273**Other Names**

F-box only protein 3, FBXO3, FBX3

Target/Specificity

This FBXO3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 395-422 amino acids from the C-terminal region of human FBXO3.

Dilution

FC~~1:10~50

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

FBXO3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

FBXO3 Antibody (C-term) - Protein Information**Name** FBXO3 ([HGNC:13582](#))

Synonyms FBX3

Function Substrate recognition component of the SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex, SCF(FBXO3), which mediates the ubiquitination and subsequent proteasomal degradation of target proteins (PubMed:[18809579](#), PubMed:[26037928](#)). Mediates the ubiquitination of HIPK2 and probably that of EP300, leading to rapid degradation by the proteasome (PubMed:[18809579](#)). In the presence of PML, HIPK2 ubiquitination still occurs, but degradation is prevented (PubMed:[18809579](#)). PML, HIPK2 and FBXO3 may act synergically to activate p53/TP53-dependent transactivation (PubMed:[18809579](#)). The SCF(FBXO3) also acts as a regulator of inflammation by mediating ubiquitination and degradation of FBXL2 in response to lipopolysaccharide (LPS) (PubMed:[26037928](#), PubMed:[27010866](#)). The SCF(FBXO3) complex specifically recognizes FBXL2 phosphorylated at 'Thr-404' and promotes its ubiquitination (PubMed:[27010866](#)).

Cellular Location

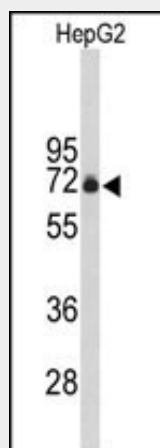
Nucleus. Note=Colocalizes with PML at the peripheries of nuclear bodies

FBXO3 Antibody (C-term) - Protocols

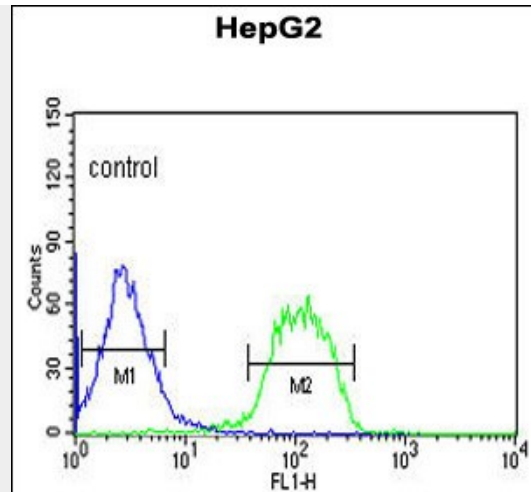
Provided below are standard protocols that you may find useful for product applications.

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

FBXO3 Antibody (C-term) - Images



Western blot analysis of FBXO3 Antibody (C-term) (Cat. #AP9195b) in HepG2 cell line lysates (35ug/lane). FBXO3 (arrow) was detected using the purified Pab.



FBXO3 Antibody (C-term) (Cat. #AP9195b) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

FBXO3 Antibody (C-term) - Background

FBXO3 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.

FBXO3 Antibody (C-term) - References

Shima, Y., et al., Mol. Cell. Biol. 28 (23), 7126-7138 (2008)
Ilyin, G. P., et al., Genomics 67 (1), 40-47 (2000)

FBXO3 Antibody (C-term) - Citations

- [Targeted inhibition of the COP9 signalosome for treatment of cancer.](#)