

# FBXL17 Isoform 2 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20590c

## Product Information

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<b>Application</b>	WB, FC, IHC-P, E
<b>Primary Accession</b>	<a href="#">Q9UF56</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB47604
<b>Calculated MW</b>	75695

## Additional Information

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<b>Gene ID</b>	64839
<b>Other Names</b>	F-box/LRR-repeat protein 17, F-box and leucine-rich repeat protein 17, F-box only protein 13, FBXL17, FBL17, FBX13, FBXO13
<b>Target/Specificity</b>	This FBXL17 Isoform 2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 262-297 amino acids from the C-terminal region of human FBXL17 Isoform 2.
<b>Dilution</b>	WB~~1:1000 FC~~1:25 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	FBXL17 Isoform 2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	FBXL17 {ECO:0000303   PubMed:24035498, ECO:0000312   HGNC:HGNC:13615}
<b>Function</b>	Substrate-recognition component of the SCF(FBXL17) E3 ubiquitin ligase complex, a key component of a quality control pathway required to ensure functional dimerization of BTB domain-containing proteins (dimerization

quality control, DQC) (PubMed:[30190310](#)). FBXL17 specifically recognizes and binds a conserved degron of non-consecutive residues present at the interface of BTB dimers of aberrant composition: aberrant BTB dimer are then ubiquitinated by the SCF(FBXL17) complex and degraded by the proteasome (PubMed:[30190310](#)). The ability of the SCF(FBXL17) complex to eliminate compromised BTB dimers is required for the differentiation and survival of neural crest and neuronal cells (By similarity). The SCF(FBXL17) complex mediates ubiquitination and degradation of BACH1 (PubMed:[24035498](#), PubMed:[30190310](#)). The SCF(FBXL17) complex is also involved in the regulation of the hedgehog/smoothened (Hh) signaling pathway by mediating the ubiquitination and degradation of SUFU, allowing the release of GLI1 from SUFU for proper Hh signal transduction (PubMed:[27234298](#)). The SCF(FBXL17) complex mediates ubiquitination and degradation of PRMT1 (By similarity).

#### Cellular Location

Cytoplasm. Nucleus Note=Present in the cytoplasm and nucleus; more abundant in the cytoplasm.

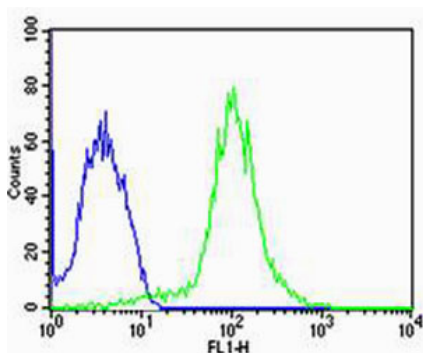
## Background

Substrate-recognition component of the SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex (By similarity).

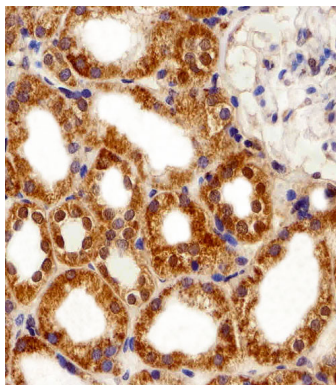
## References

Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Bechtel S.,et al.BMC Genomics 8:399-399(2007).  
Schmutz J.,et al.Nature 431:268-274(2004).  
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

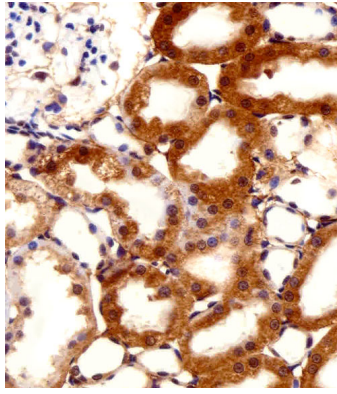
## Images



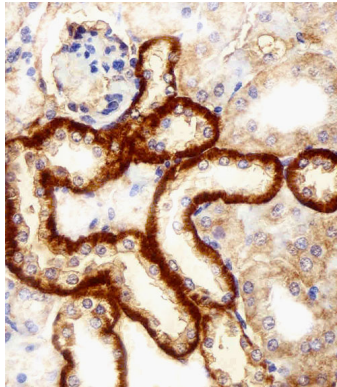
Flow cytometric analysis of MCF-7 cells using FBXL17 Isoform 2 Antibody (C-term)(green, Cat#AP20590c) compared to an isotype control of rabbit IgG(blue). AP20590c was diluted at 1:25 dilution. An Alexa Fluor® 488 goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody.



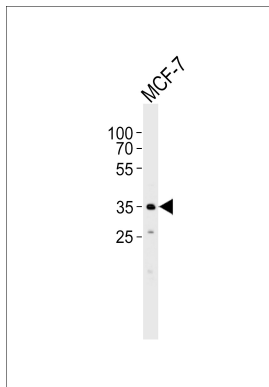
Immunohistochemical analysis of paraffin-embedded H. kidney section using FBXL17 Isoform 2 Antibody (C-term)(Cat#AP20590c). AP20590c was diluted at 1:100 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



Immunohistochemical analysis of paraffin-embedded R. kidney section using FBXL17 Isoform 2 Antibody (C-term)(Cat#AP20590c). AP20590c was diluted at 1:100 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



Immunohistochemical analysis of paraffin-embedded M. kidney section using FBXL17 Isoform 2 Antibody (C-term)(Cat#AP20590c). AP20590c was diluted at 1:100 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



Western blot analysis of lysate from MCF-7 cell line, using FBXL17 Isoform 2 Antibody (C-term) (Cat. #AP20590c). AP20590c was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.