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FBXL17 Isoform 2 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20590c

Product Information

Application	WB, FC, IHC-P, E
Primary Accession	Q9UF56
Reactivity	Human, Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB47604
Calculated MW	75695

Additional Information

Gene ID	64839
Other Names	F-box/LRR-repeat protein 17, F-box and leucine-rich repeat protein 17, F-box only protein 13, FBXL17, FBL17, FBX13, FBXO13
Target/Specificity	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.
Dilution	WB~~1:1000 FC~~1:25 IHC-P~~1:100~500 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	FBXL17 Isoform 2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	FBXL17 {ECO:0000303|PubMed:24035498, ECO:0000312|HGNC:HGNC:13615}
Function	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.

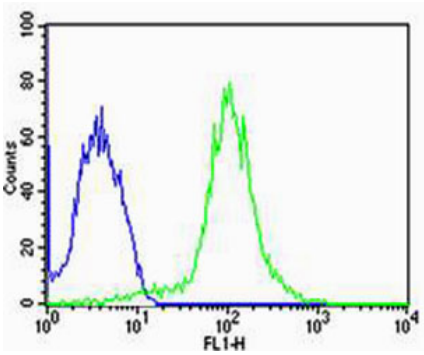
Background

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

References

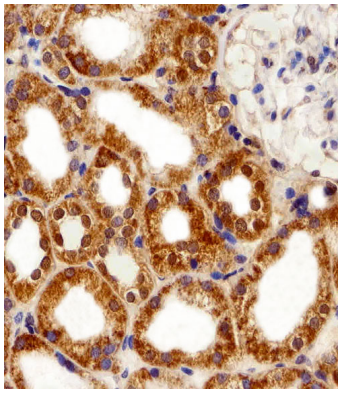
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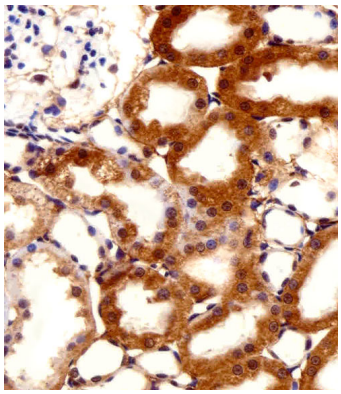
Images



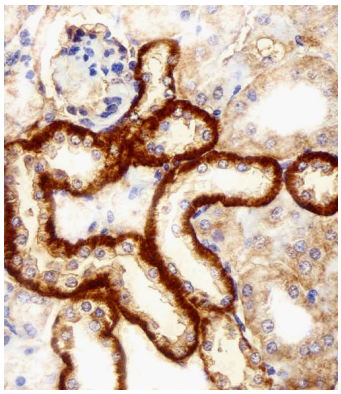
Flow cytometric analysis of MCF-7 cells using FBXL17 Isoform 2 Antibody (C-term)(green, Cat#AP20590c) compared to an isotype control of rabbit IgG(blue). AP20590c was diluted at 1:25 dilution. An Alexa Fluor® 488 goat anti-rabbit lgG at 1:400 dilution was used as the secondary antibody.

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.

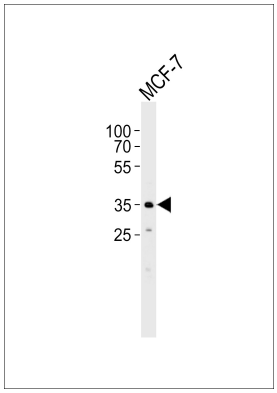




Immunohistochemical analysis of paraffin-embedded R. kidney section using FBXL17 Isoform 2 Antibody (C-term)(Cat#AP20590c). AP20590c was diluted at 1:100 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



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'.