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FBXL13 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17121b

Product Information

Application	WB, E
Primary Accession	Q8NEE6
Other Accession	NP_001104508.1, NP_659469.3
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB37252
Calculated MW	83924
Antigen Region	683-710

Additional Information

Gene ID	222235
Other Names	F-box/LRR-repeat protein 13, F-box and leucine-rich repeat protein 13, FBXL13, FBL13
Target/Specificity	This FBXL13 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 683-710 amino acids from the C-terminal region of human FBXL13.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. 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	FBXL13 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	FBXL13
Synonyms	DRC6 {ECO:0000250|UniProtKB:Q8CDU4}, FBL
Function	Substrate-recognition component of the SCF (SKP1-CUL1-F-box protein)-type

E3 ubiquitin ligase complex. Component of the nexin- dynein regulatory complex (N-DRC), a key regulator of ciliary/flagellar motility which maintains the alignment and integrity of the distal axoneme and regulates microtubule sliding in motile axonemes. Specifically targets CEP192 isoform 3 for ubiquitin-mediated proteolysis and thereby acts as a regulator of microtubule nucleation activity (PubMed:29348145).

Cellular Location Cytoplasm, cytoskeleton, flagellum axoneme {ECO:0000250|UniProtKB:A8JHD7}. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome

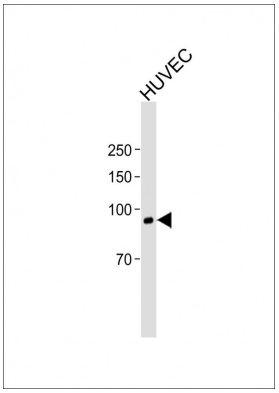
Background

Members of the F-box protein family, such as FBXL13, are characterized by an approximately 40-amino acid F-box motif. SCF complexes, formed by SKP1 (MIM 601434), cullin (see CUL1; MIM 603134), and F-box proteins, act as protein-ubiquitin ligases. F-box proteins interact with SKP1 through the F box, and they interact with ubiquitination targets through other protein interaction domains (Jin et al., 2004 [PubMed 15520277]).[supplied by OMIM].

References

Rose, J. Phd, et al. Mol. Med. (2010) In press :
Curtiss, N.P., et al. Genomics 85(5):600-607(2005)
Jin, J., et al. Genes Dev. 18(21):2573-2580(2004)

Images



All lanes: Anti-FBXL13 Antibody (C-term) at 1:1000 dilution + HUVEC whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 95 KDa Blocking/Dilution buffer: 5% NFDM/TBST.