

For Research Use Only

FBXW5 Polyclonal antibody

Catalog Number: 18321-1-AP **1 Publications**



Basic Information

Catalog Number: 18321-1-AP	GenBank Accession Number: BC014297	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 650 ug/ml by Nanodrop;	GeneID (NCBI): 54461	Recommended Dilutions: WB 1:500-1:3000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q969U6	
Isotype: IgG	Full Name: F-box and WD repeat domain containing 5	
Immunogen Catalog Number: AG13163	Calculated MW: 64 kDa	
	Observed MW: 65 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : HEK-293 cells, K-562 cells
Cited Applications: WB	IHC : mouse testis tissue, human kidney tissue
Species Specificity: human, mouse, rat	
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

F-box proteins have been shown to be critical for the ubiquitin-mediated degradation of cellular regulatory proteins, and they are a family of eukaryotic proteins characterized by an approximately 40 amino acid motif. SCF complex, a class of ubiquitin ligases, consists of invariable components, Skp1 and Cullin, and variable components of F-box proteins, which have a primary role in determining substrate specificity. FBXW5 (F-box/WD repeat-containing protein 5) is a novel protein containing WD-40 repeats, which were frequently involved in protein-protein interactions. FBXW5 negatively regulates TAK1 in the IL-1beta signaling pathway. By forming different E3 ubiquitin-protein ligase complexes, FBXW5 mediates the polyubiquitination and subsequent degradation of TSC2 and centriolar protein HsSAS-6.

Notable Publications

Author	Pubmed ID	Journal	Application
Nan Song	28722108	J Cell Physiol	WB

Storage

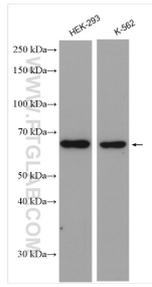
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

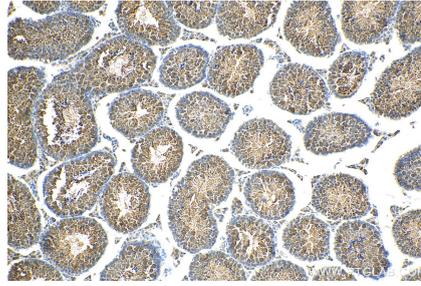
For technical support and original validation data for this product please contact:
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 18321-1-AP (FBXW5 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 18321-1-AP (FBXW5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).