

FBXW5 Polyclonal antibody

Catalog Number: 18321-1-AP

1 Publications

Basic Information

Catalog Number:

18321-1-AP

Size:

650 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13163

GenBank Accession Number:

BC014297

GeneID (NCBI):

54461

UNIPROT ID:

Q969U6

Full Name:

F-box and WD repeat domain containing 5

Calculated MW:

64 kDa

Observed MW:

65 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

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

Positive Controls:

WB : HEK-293 cells, K-562 cells

IHC : mouse testis tissue, human kidney tissue

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

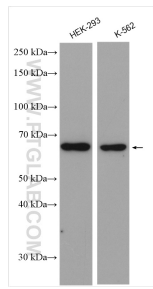
For technical support and original validation data for this product please contact:

T: 4006900926

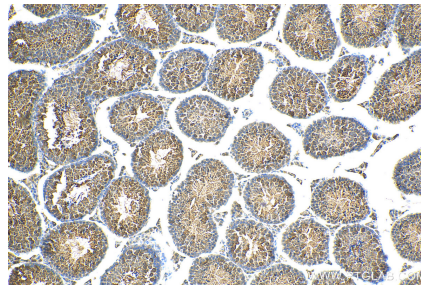
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Selected Validation Data



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).