

For Research Use Only

FBXL14 Polyclonal antibody

Catalog Number: 13934-1-AP **2 Publications**



Basic Information

Catalog Number: 13934-1-AP	GenBank Accession Number: BC028132	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 350 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 144699	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200 IF 1:20-1:200
Source: Rabbit	Full Name: F-box and leucine-rich repeat protein 14	
Isotype: IgG	Calculated MW: 418 aa, 46 kDa	
Immunogen Catalog Number: AG4975	Observed MW: 46 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: WB : HepG2 cells, IHC : human liver tissue, IF : HepG2 cells,
Cited Applications: WB	
Species Specificity: human	
Cited Species: human, mouse	

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

FBXL14(F-box/LRR-repeat protein 14) is also named as FBL14 and belongs to the F-box protein family, which are characterized by an approximately 40-amino acid F-box motif. It is part of a SCF (SKP1-cullin-F-box) ubiquitin-protein ligase complex. SNAIL1 is an unstable transcription factor that is phosphorylated by GSK3-beta in the nucleus, which triggers its nuclear export and subsequent ubiquitination and proteasomal degradation. FBXL14 is directed ubiquitination and degradation of SNAIL1 in human and mouse cell lines(PMID:19955572).

Notable Publications

Author	Pubmed ID	Journal	Application
Christopher Noyes	36653474	Commun Biol	WB
Y Liu	25654763	Cell Death Dis	WB

Storage

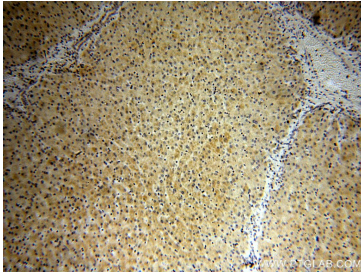
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

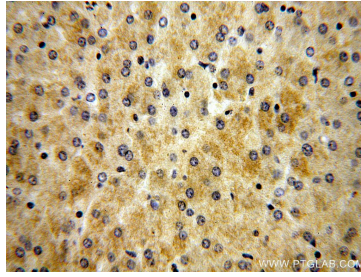
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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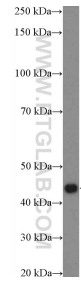
Selected Validation Data



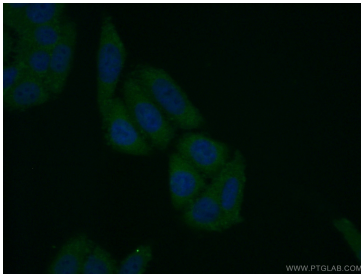
Immunohistochemical analysis of paraffin-embedded human liver using 13934-1-AP (FBXL14 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver using 13934-1-AP (FBXL14 antibody) at dilution of 1:50 (under 40x lens).



HepG2 cells were subjected to SDS PAGE followed by western blot with 13934-1-AP (FBXL14 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (10% Formaldehyde) fixed HepG2 cells using 13934-1-AP (FBXL14 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).