

For Research Use Only

FBXL14 Polyclonal antibody

Catalog Number: 13934-1-AP

2 Publications



Basic Information

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|--|---|--|
| Catalog Number: 13934-1-AP | GenBank Accession Number: BC028132 | Purification Method: Antigen affinity purification |
| Size: 350 ug/ml | GeneID (NCBI): 144699 | Recommended Dilutions: WB 1:500-1:1000 |
| Source: Rabbit | UNIPROT ID: Q8N1E6 | IHC 1:20-1:200 |
| Isotype: IgG | Full Name: F-box and leucine-rich repeat protein 14 | IF/ICC 1:50-1:500 |
| Immunogen Catalog Number: AG4975 | Calculated MW: 418 aa, 46 kDa | |
| | Observed MW: 46 kDa | |

Applications

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|--|--|
| Tested Applications: WB, IHC, IF/ICC, ELISA | Positive Controls: WB : HepG2 cells, |
| Cited Applications: WB | IHC : human liver tissue, |
| Species Specificity: human | IF/ICC : HepG2 cells, |
| 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

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

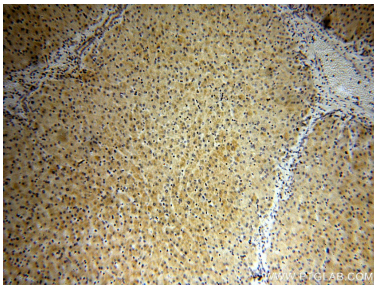
T: 4006900926

E: Proteintech-CN@ptglab.com

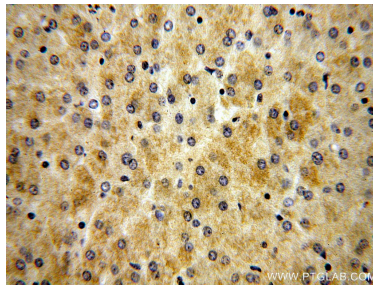
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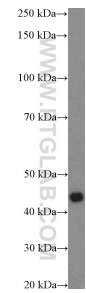
Selected Validation Data



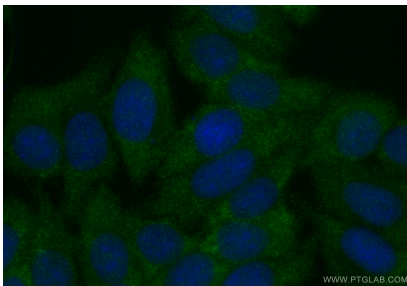
Immunohistochemical analysis of paraffin-embedded human liver using 13934-1-AP (FBXL14 antibody) at dilution of 1:50 (under 10x lens).



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 (-20°C Ethanol) fixed HepG2 cells using FBXL14 antibody (13934-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).