

For Research Use Only

RNH1 Polyclonal antibody

Catalog Number: 10345-1-AP

Featured Product

11 Publications



Basic Information

Catalog Number:

10345-1-AP

Size:

700 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0350

GenBank Accession Number:

BC000677

GeneID (NCBI):

6050

UNIPROT ID:

P13489

Full Name:

ribonuclease/angiogenin inhibitor 1

Calculated MW:

50 kDa

Observed MW:

45-50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), IP, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

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

Positive Controls:

WB: HEK-293T cells, HeLa cells, human brain tissue, human heart tissue, human liver tissue, L02 cells, HepG2 cells, Jurkat cells, human placenta tissue

IP: mouse liver tissue, HEK-293T cells, rat liver tissue

IHC: mouse liver tissue,

IF/ICC: MCF-7 cells,

Background Information

Ribonuclease/ angiogenin inhibitor (RNH, synonyms: RAI, MGC4569, MGC18200, MGC54054) is a protein that binds tightly to ribonucleases in cells and may be essential in the control of mRNA degradation and gene expression. The human RNH gene has been regionally localized to chromosome band 11p15 by in situ hybridization.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-------------------|-----------|--------------------------|-------------|
| Yasutoshi Akiyama | 36361884 | Int J Mol Sci | WB |
| Yasutoshi Akiyama | 35300117 | Front Mol Biosci | WB |
| Shozo Honda | 26124144 | Proc Natl Acad Sci U S A | 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:

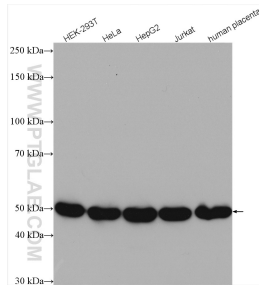
T: 4006900926

E: Proteintech-CN@ptglab.com

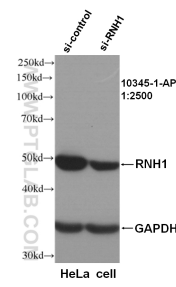
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

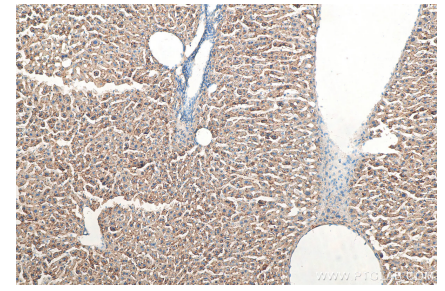
Selected Validation Data



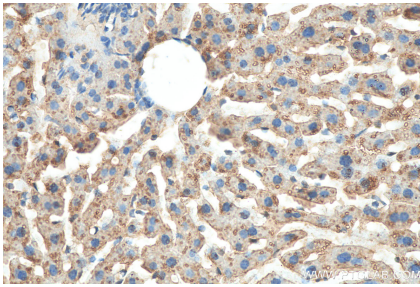
Various lysates were subjected to SDS PAGE followed by western blot with 10345-1-AP (RNH1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



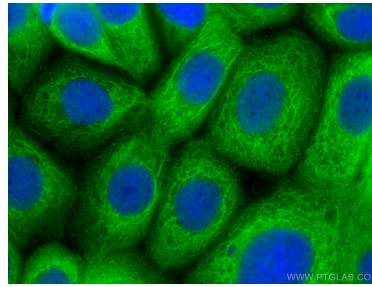
WB result of RNH1 antibody (10345-1-AP, 1:2500) with si-control and si-RNH1 transfected HeLa cells.



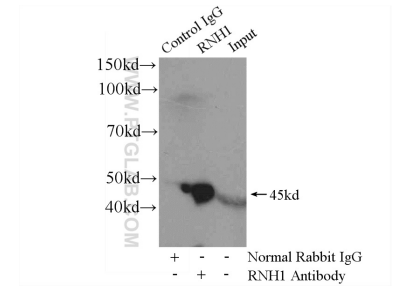
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 10345-1-AP (RNH1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



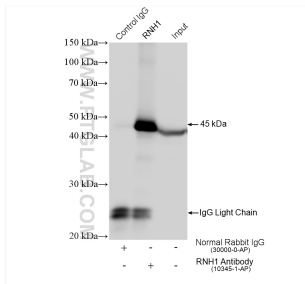
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 10345-1-AP (RNH1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



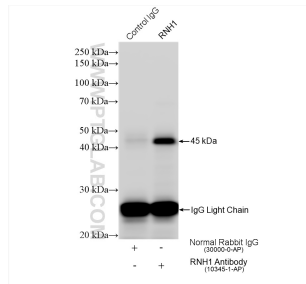
Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using RNH1 antibody (10345-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



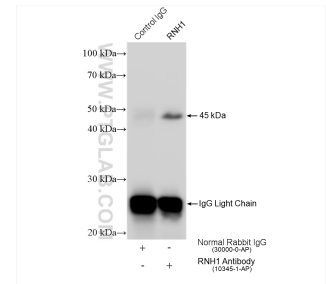
IP result of anti-RNH1 (IP:10345-1-AP, 4ug; Detection:10345-1-AP 1:500) with mouse liver tissue lysate 6400ug.



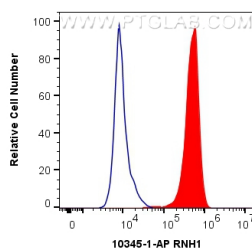
IP result of anti-RNH1 (IP:10345-1-AP, 4ug; Detection:10345-1-AP 1:8000) with HEK-293T cells lysate 2040 ug.



IP result of anti-RNH1 (IP:10345-1-AP, 4ug; Detection:10345-1-AP 1:8000) with mouse liver tissue lysate 1840 ug.



IP result of anti-RNH1 (IP:10345-1-AP, 4ug; Detection:10345-1-AP 1:8000) with rat liver tissue lysate 5520 ug.



1X10⁶ MCF-7 cells were intracellularly stained with 0.4 ug Anti-Human RNH1 (10345-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).