

For Research Use Only

ZNHIT1 Polyclonal antibody

Catalog Number: 16595-1-AP

2 Publications



Basic Information

Catalog Number:

16595-1-AP

Size:

150ul, Concentration: 800 ug/ml by Nanodrop and 440 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9741

GenBank Accession Number:

BC017333

GeneID (NCBI):

10467

UNIPROT ID:

O43257

Full Name:

zinc finger, HIT type 1

Calculated MW:

154 aa, 18 kDa

Observed MW:

18 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:50-1:500

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, 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 : HeLa cells, HepG2 cells, MCF-7 cells, PC-12 cells

IHC : mouse liver tissue,

IF/ICC : A431 cells, HepG2 cells

Background Information

ZNHIT1(Zinc finger HIT domain containing protein 1), also named CGBP1 (Cyclin G1 binding protein 1), is a subunit of the SNF-2 related CBP activator protein (SRCAP) complex, which can remodel chromatin by incorporating the histone variant H2A.Z into nucleosomes(PMID: 15647280). ZNHIT1 also can bind to myogenin promoter and mediate H2A.Z incorporation for its expression(PMID: 20473270). ZNHIT1 overexpression induces apoptosis and represses proliferation and invasion of breast cancer cells(PMID: 30928405).

Notable Publications

Author	Pubmed ID	Journal	Application
Arnaud Obri	24463511	Nature	WB
Jiali Yu	38331872	Cell Discov	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

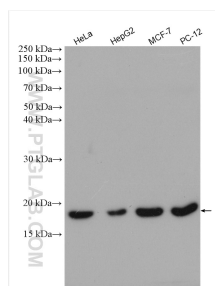
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

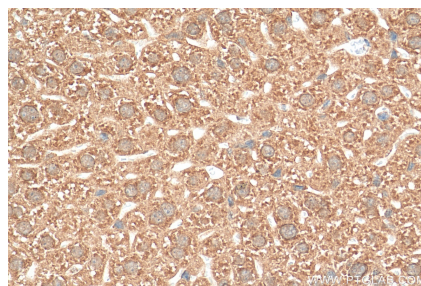
E: proteintech@ptglab.com
W: ptglab.com

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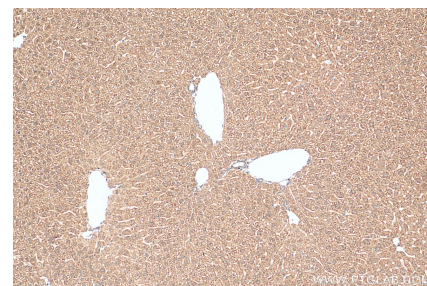
Selected Validation Data



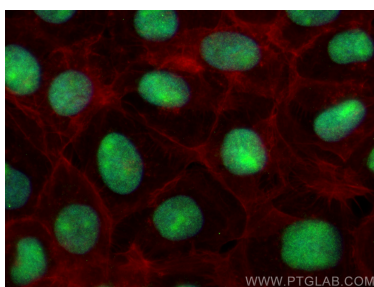
Various lysates were subjected to SDS PAGE followed by western blot with 16595-1-AP (ZNHIT1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



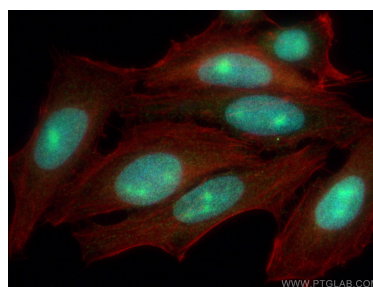
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 16595-1-AP (ZNHIT1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 16595-1-AP (ZNHIT1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed A431 cells using ZNHIT1 antibody (16595-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using ZNHIT1 antibody (16595-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).