

# ZNHIT1 Polyclonal antibody

Catalog Number: 16595-1-AP

2 Publications

## Basic Information

## Catalog Number:

16595-1-AP

## Size:

800 µg/ml

## 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

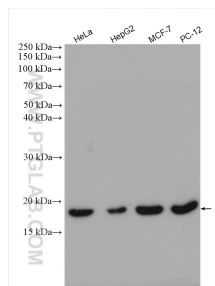
For technical support and original validation data for this product please contact:

T: 4006900926

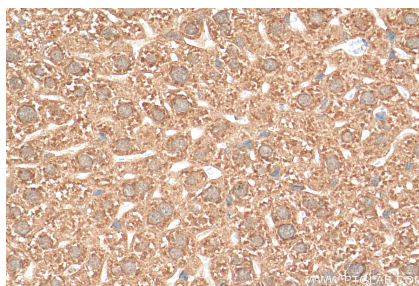
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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

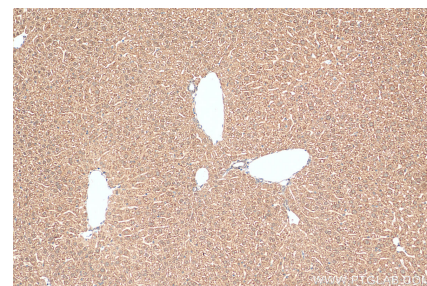
## Selected Validation Data



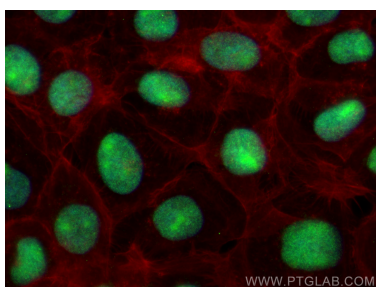
Various lysates were subjected to SDS PAGE followed by western blot with 16595-1-AP (ZNHIT1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



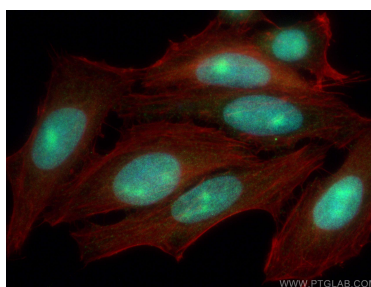
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 16595-1-AP (ZNHIT1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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 AffiniPure 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 AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).