

For Research Use Only

ZNHIT1 Polyclonal antibody

Catalog Number: 16595-1-AP **2 Publications**



Basic Information

Catalog Number: 16595-1-AP	GenBank Accession Number: BC017333	Purification Method: Antigen affinity purification
Size: 800 µg/ml	GeneID (NCBI): 10467	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500 IF 1:200-1:800
Source: Rabbit	UNIPROT ID: O43257	
Isotype: IgG	Full Name: zinc finger, HIT type 1	
Immunogen Catalog Number: AG9741	Calculated MW: 154 aa, 18 kDa	
	Observed MW: 18 kDa	

Applications

Tested Applications: IF/ICC, IHC, WB, ELISA	Positive Controls: WB : HeLa cells, HepG2 cells, MCF-7 cells, PC-12 cells IHC : mouse liver tissue, IF : A431 cells, HepG2 cells
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	

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:

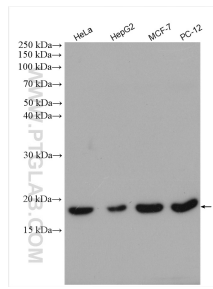
T: 4006900926

E: Proteintech-CN@ptglab.com

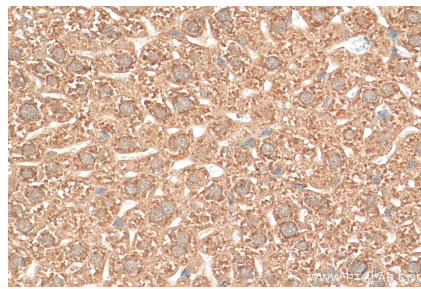
W: ptgcn.com

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

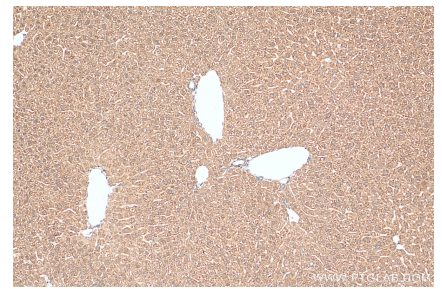
Selected Validation Data



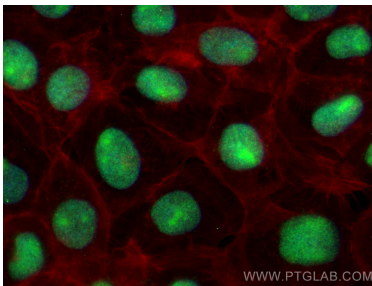
Various lysates were subjected to SDS PAGE followed by western blot with 16595-1-AP (ZNHIT1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



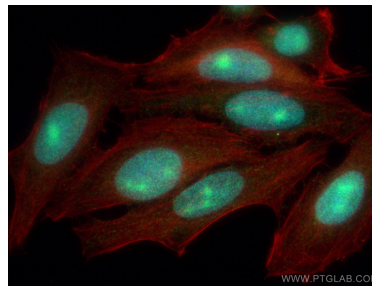
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 16595-1-AP (ZNHIT1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).