

For Research Use Only

ZNHIT1 Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 87390-1-PBS



Basic Information

Catalog Number: 87390-1-PBS	GenBank Accession Number: BC017333	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 10467	CloneNo.: 252815C11
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:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
human, rat

Product Information

87390-1-PBS targets ZNHIT1 as part of a matched antibody pair:

MP03003-1: 87390-1-PBS capture and 87390-2-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

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).

Storage

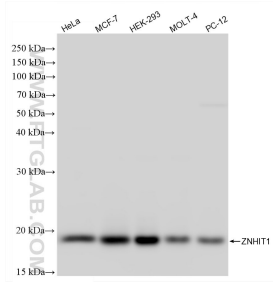
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

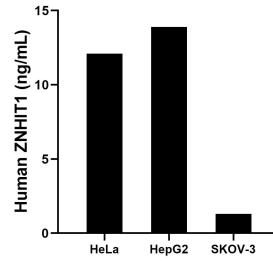
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

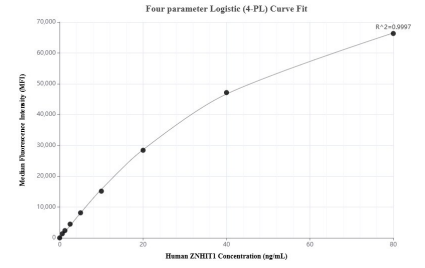
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87390-1-RR (ZNHIT1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87390-1-PBS in a different storage buffer formulation.



The mean ZNHIT1 concentration was determined to be 12.1 ng/mL in HeLa cell extract based on a 1.2 mg/mL extract load, 13.9 ng/mL in HepG2 cell extract based on a 1.2 mg/mL extract load, 1.3 ng/mL in SKOV-3 cell extract based on a 1.1 mg/mL extract load.



Cytometric bead array standard curve of MP03003-1, ZNHIT1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 87390-1-PBS. Detection antibody: 87390-2-PBS. Standard: Ag9741. Range: 0.625-80 ng/mL.