

For Research Use Only

NAT10 Recombinant antibody

Catalog Number: 82585-1-RR



Basic Information

Catalog Number: 82585-1-RR	GenBank Accession Number: BC035558	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 55226	CloneNo.: 5B9
Source: Rabbit	Full Name: N-acetyltransferase 10 (GCN5- related)	Recommended Dilutions: WB 1:5000-1:50000 IF 1:1500-1:6000
Isotype: IgG	Calculated MW: 1025 aa, 116 kDa	
Immunogen Catalog Number: AG4184	Observed MW: 116 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls:
Species Specificity: Human	WB : HeLa cells, A549 cells, HEK-293 cells, Jurkat cells, K-562 cells
	IF : HeLa cells,

Background Information

NAT10 (N-acetyltransferase 10) is a nucleolar protein that is involved in regulation of telomerase activity, DNA damage response, and cytokinesis. It also plays a role in maintaining nuclear shape. Inhibition of NAT10 has been reported to rescue the misshapen nuclei in laminopathic cells via microtubule reorganization. The specificity of this antibody has been tested by siRNA (PMID: 24786082). NAT10 regulates mitotic cell fate by acetylating Eg5. NAT10 depletion results in multinuclear giant cells, which is the hallmark of mitotic catastrophe. (PMID: 35210604)

Storage

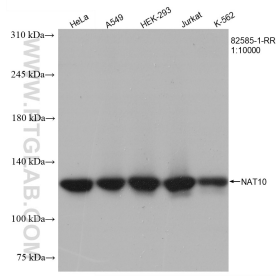
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

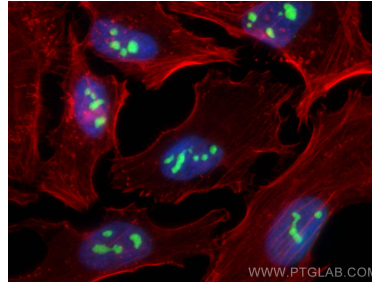
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 82585-1-RR (NAT10 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using NAT10 antibody (82585-1-RR, Clone: 5B9) at dilution of 1:1900 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).