

For Research Use Only

BUB1 Recombinant monoclonal antibody

Catalog Number: 86843-4-RR



Basic Information

Catalog Number: 86843-4-RR	GenBank Accession Number: BC028201	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 699	CloneNo.: 251580E5
Source: Rabbit	UNIPROT ID: O43683	Recommended Dilutions: WB: 1:1000-1:4000 IF/ICC: 1:250-1:1000
Isotype: IgG	Full Name: budding uninhibited by benzimidazoles 1 homolog (yeast)	
Immunogen Catalog Number: AG4138	Calculated MW: 1085 aa, 122 kDa	
	Observed MW: 120-130 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : HeLa cells, K-562 cells, U2OS cells, 8305C cells, SGC-7901 cells IF/ICC : HepG2 cells,

Background Information

Bub1 is an evolutionarily conserved mitotic checkpoint control protein that is present in diverse organisms including yeast and humans. Bub1 is a serine/threonine protein kinase and is required for recruitment of Mad1, Mad2, Bub3, and CENP-E to kinetochores. Full-length Bub1 protein was cleaved to an 45 kDa fragment and an intermediate fragment of 90 kDa, only detected at early stages of apoptosis execution, indicating cleavage of Bub1 in the amino- and carboxy-terminal regions of the protein(PMID:15818396).

Storage

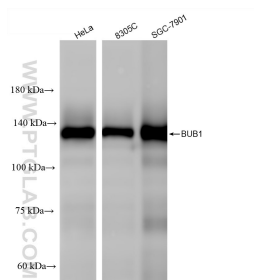
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

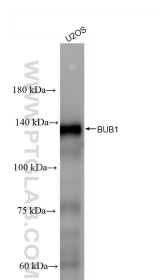
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

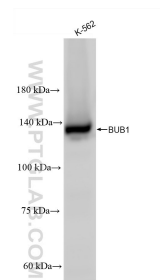
Selected Validation Data



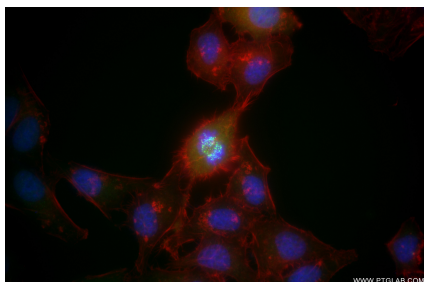
Various lysates were subjected to SDS PAGE followed by western blot with 86843-4-RR (BUB1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



U2OS cells were subjected to SDS PAGE followed by western blot with 86843-4-RR (BUB1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



K-562 cells were subjected to SDS PAGE followed by western blot with 86843-4-RR (BUB1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using BUB1 antibody (86843-4-RR, Clone: 251580E5) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).