

For Research Use Only

BUB1 Polyclonal antibody

Catalog Number: 13330-1-AP **7 Publications**



Basic Information

Catalog Number: 13330-1-AP	GenBank Accession Number: BC028201	Purification Method: Antigen affinity purification
Size: 330 µg/ml	GeneID (NCBI): 699	Recommended Dilutions: WB 1:500-1:1000 IF 1:20-1:200
Source: Rabbit	UNIPROT ID: O43683	
Isotype: IgG	Full Name: budding uninhibited by benzimidazoles 1 homolog (yeast)	
Immunogen Catalog Number: AG4138	Calculated MW: 1085 aa, 122 kDa	
	Observed MW: 45 kDa, 120 kDa	

Applications

Tested Applications: IF/ICC, WB, ELISA	Positive Controls:
Cited Applications: WB, IF, IHC	WB : K-562 cells, HeLa cells
Species Specificity: human, canine	IF : IMR-90 cells, MDCK cells
Cited Species: Carassius auratus, human	

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Xie Mengyan	36176446	Front Pharmacol	WB
Junjie Piao	30898709	Gene	IHC
Liang Chen	35659274	J Exp Clin Cancer Res	WB

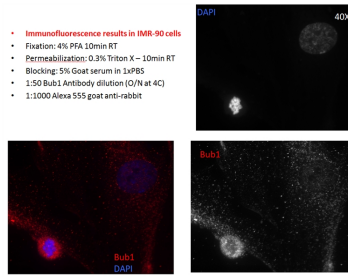
Storage

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

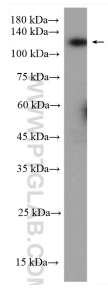
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

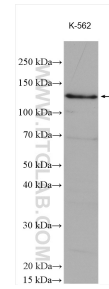
Selected Validation Data



IF results of BUB1 antibody with IMR-90 cells by M.S. Grasiella Angelina Andriani Cristina Montagna Lab at Albert Einstein College of Medicine-Bronx - NY.



MKN-45 cells were subjected to SDS PAGE followed by western blot with 13330-1-AP (BUB1 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



K-562 cells were subjected to SDS PAGE followed by western blot with 13330-1-AP (BUB1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.