

For Research Use Only

# BUB1 Polyclonal antibody

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



## Basic Information

<b>Catalog Number:</b> 13330-1-AP	<b>GenBank Accession Number:</b> BC028201	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 330 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 699	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IF 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> budding uninhibited by benzimidazoles 1 homolog (yeast)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 1085 aa, 122 kDa	
<b>Immunogen Catalog Number:</b> AG4138	<b>Observed MW:</b> 45 kDa, 120 kDa	

## Applications

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

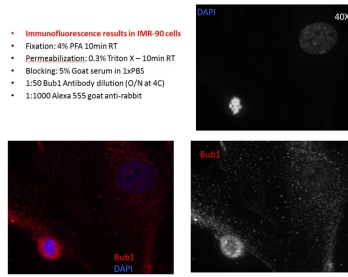
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 0.1% BSA**

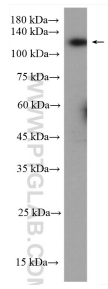
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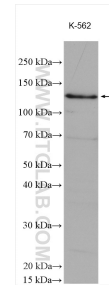
## Selected Validation Data



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.



Various lysates 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.