

BUB1 Polyclonal Antibody

Catalog number: 13330-1-AP

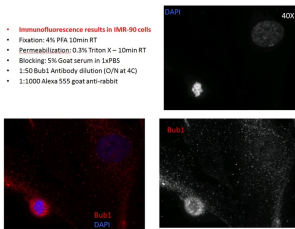
Size: 24 µg/150 µl

Source: Rabbit

Isotype: IgG

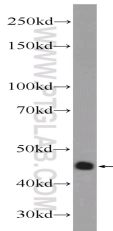
Synonyms:

BUB1; BUB1, BUB1A, BUB1L, hBUB1



- Immunofluorescence results in IMR-90 cells
- Fixation: 4% PFA 10min RT
- Permeabilization: 0.3% Triton X-100min RT
- Blocking: 5% Goat serum in 1xPBS
- 1:500 BUB1 Antibody dilution (20µl/well 4C)
- 1:1000 Alexa 555 goat anti-rabbit

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.



HeLa cells were subjected to SDS PAGE followed by western blot with 13330-1-AP (BUB1 Antibody) at dilution of 1:600

Background

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).

Applications

Tested applications:	ELISA, IF, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated BUB1 MW:	1085aa, 122 kDa
Observed BUB1 MW:	45 kDa
Positive WB detected in	HeLa cells, SGC-7901 cells
Positive IF detected in	IMR-90 cells, MDCK cells
Recommended dilution:	WB: 1:200-1:1000
	IF: N/A

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag4138
GenBank accession number:	BC028201
Gene ID (NCBI):	699
Full name:	Budding uninhibited by benzimidazoles 1 homolog (yeast)

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.