

Rabbit anti-Human Bub1 Polyclonal Antibody | anti-Bub1 antibody

Rabbit anti-Bub1 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA210912	Rabbit	Human	Immunohistochemistry, Immunoprecipitation, Western Blot

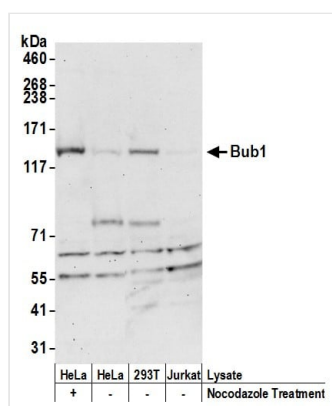
PRODUCT SYNONYMS

Bub1; Polyclonal Antibody; Rabbit anti-Bub1 Antibody; Affinity Purified; hBUB1; BUB1 budding uninhibited by benzimidazoles 1 homolog; mitotic checkpoint serine/threonine-protein kinase BUB1; budding uninhibited by benzimidazoles 1 homolog; BUB1L; BUB1A; putative serine/threonine-protein kinase; mitotic spindle checkpoint kinase; Mitotic checkpoint serine/threonine-protein kinase BUB1; BUB1 mitotic checkpoint serine/threonine kinase; anti-Bub1 antibody

PRODUCT SPECIFICATIONS

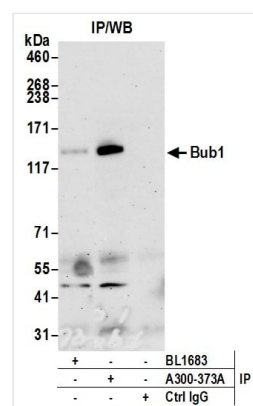
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-Bub1 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 1 and 50
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



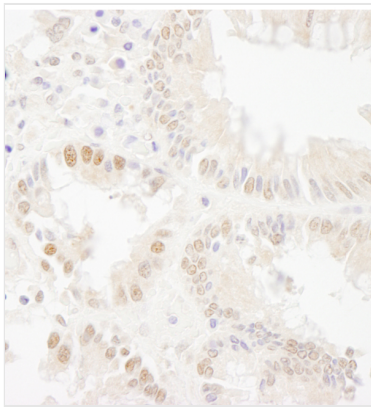
WB (Western Blot)

Detection of human Bub1 by western blot. Samples: Whole cell lysate (50 ug) from HeLa treated with nocodazole (+) or mock treated (-), HEK293T, and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-Bub1 antibody AAA210912 (lot AAA210912-2) used for WB at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds



IP (Immunoprecipitation)

Detection of human Bub1 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells treated with nocodazole. Antibodies: Affinity purified rabbit anti-Bub1 antibody AAA210912 (lot AAA210912-2) used for IP at 6 ug per reaction. Bub1 was also immunoprecipitated by rabbit anti-Bub1 antibody BL1683. For blotting immunoprecipitated Bub1, AAA210912 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IHC (Immunohistochemistry)
 Detection of human Bub1 by immunohistochemistry. Sample: FFPE section of human colon carcinoma. Antibody: Affinity purified rabbit anti-Bub1 (Cat. No. AAA210912) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-Bub1 antibody	Bub1 is cell cycle checkpoint kinase and component of the spindle checkpoint machinery. Bub1 and other spindle checkpoint proteins ensure that segregation does not proceed until all replicated chromatids are associated with a functional bipolar spindle. Bub1 functions to target Bub1-related protein (BubR1), Mad2, and polo-like kinase to kinetochores. It also functions to phosphorylate Cdc20 and inhibit ubiquitination of Pds1/securin by the anaphase-promoting complex (APC).
Product Categories/Family for anti-Bub1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757878
NCBI GeneID	699
NCBI Accession #	NP_004327.1
NCBI GenBank Nucleotide #	NM_004336.3
UniProt Accession #	O43683; O43430; O43643; O60626; Q53QE4
Molecular Weight	122,375 Da
NCBI Official Full Name	mitotic checkpoint serine/threonine-protein kinase BUB1
NCBI Official Synonym Full Names	BUB1 mitotic checkpoint serine/threonine kinase
NCBI Official Symbol	BUB1
NCBI Official Synonym Symbols	BUB1A; BUB1L; hBUB1
NCBI Protein Information	mitotic checkpoint serine/threonine-protein kinase BUB1; mitotic spindle checkpoint kinase; putative serine/threonine-protein kinase; budding uninhibited by benzimidazoles 1 homolog; BUB1 budding uninhibited by benzimidazoles 1 homolog
UniProt Protein Name	Mitotic checkpoint serine/threonine-protein kinase BUB1
UniProt Gene Name	BUB1
UniProt Synonym Gene Names	BUB1L; hBUB1
UniProt Entry Name	BUB1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/bub1-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/210912>