

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

Bub1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA303067	Rabbit	Human, Mouse	Immunocytochemistry, Western Blot, ELISA

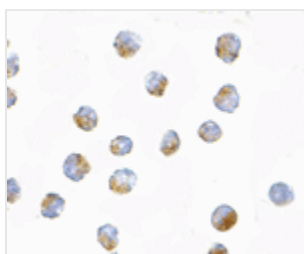
PRODUCT SYNONYMS

Bub1; Polyclonal Antibody; Bub1 Antibody; Budding uninhibited by benzimidazoles 1; anti-Bub1 antibody

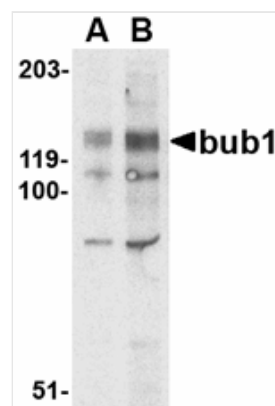
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	1028
Applicable Applications for anti-Bub1 antibody	ICC (Immunocytochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 19 amino acid peptide from near the amino terminus of human Bub1.
Target Name	Bub1
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES


ICC (Immunocytochemistry)

Immunocytochemistry of Bub1 in A20 cells with Bub1 antibody at 10 ug/mL.


WB (Western Blot)

Western blot analysis of bub1 in A-20 lysate with bub1 antibody at (A) 2 and (B) 4 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-Bub1 antibody	Bub1 was initially identified as the mammalian homolog to the yeast protein through a cDNA screen. Bub1 encodes a kinase involved in the formation of the spindle checkpoint, an important mechanism that ensures high fidelity mitotic chromosome segregation. It is thought to be required for assembly of a functional inner centromere, sister chromatid cohesion via targeting of the Shugoshim protein and metaphase congression. Bub1 functions by phosphorylating cdc20, a member of the mitotic checkpoint complex and activating the spindle checkpoint. A related protein kinase Bub3 interacts with Bub1 and targets it to kinetochores prior to chromosome alignment. Mutations in bub1 have been associated with aneuploidy and several forms of cancer.
Product Categories/Family for anti-Bub1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	519666801
NCBI GeneID	699
NCBI Accession #	NP_001265546.1
NCBI GenBank Nucleotide #	NM_001278617.1
UniProt Accession #	O43683; O43430; O43643; O60626; Q53QE4; E9PC26; F5GXI5
Molecular Weight	120,002 Da
NCBI Official Full Name	mitotic checkpoint serine/threonine-protein kinase BUB1 isoform 3
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
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-immunocytochemistry-western-blot-elisa/303067>