

Rabbit Mitotic checkpoint serine/threonine-protein kinase BUB1 Polyclonal Antibody | anti-BUB1 antibody

Anti-Bub1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46033	Rabbit	Human, Rat. No cross reactivity with other proteins.	Western Blot

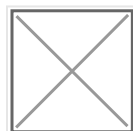
PRODUCT SYNONYMS

Mitotic checkpoint serine/threonine-protein kinase BUB1; Polyclonal Antibody; Anti-Bub1 Antibody; Bub1 antibody; BUB1 budding uninhibited by benzimidazoles 1 homolog antibody; BUB1 budding uninhibited by benzimidazoles 1 homolog (yeast) antibody; BUB1 mitotic checkpoint serine/threonine kinase antibody; BUB1; S. cerevisiae; homolog of antibody; BUB1_HUMAN antibody; BUB1A antibody; BUB1L antibody; Budding uninhibited by benzimidazoles 1 (yeast homolog) antibody; Budding uninhibited by benzimidazoles 1 homolog antibody; Budding uninhibited by benzimidazoles 1; hBUB1 antibody; Homolog of mitotic checkpoint gene BUB1 antibody; Mitotic checkpoint gene BUB1 antibody; Mitotic checkpoint serine/threonine protein kinase BUB1 antibody; Mitotic checkpoint serine/threonine-protein kinase BUB1 antibody; Mitotic spindle checkpoint kinase antibody; Putative serine/threonine protein kinase antibody; BUB1 mitotic checkpoint serine/threonine kinase; anti-BUB1 antibody

PRODUCT SPECIFICATIONS

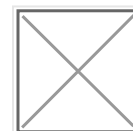
Host	Rabbit
Reactivity	Human, Rat. No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	1028
Applicable Applications for anti-BUB1 antibody	WB (Western Blot)
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	E.coli-derived human Bub1 recombinant protein (Position: V731-K1085). Human Bub1 shares 81% amino acid (aa) sequence identity with mouse Bub1.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



Application Data

Anti-Bub1 Picoband antibody, AAA46033-2.jpgAll lanes: Anti BUB1 (AAA46033) at 0.5ug/mlLane 1: Rat Testis Tissue Lysate at 50ugLane 2: Rat Ovary Tissue Lysate at 50ugLane 3: Rat Liver Tissue Lysate at 50ugLane 4: JURKAT Whole Cell Lysate at 40ugLane 5: COLO320 Whole Cell Lysate at 40ugLane 6: HEPG2 Whole Cell Lysate at 40ugPredicted bind size: 122KD
Observed bind size: 122KD



Application Data

Anti-Bub1 Picoband antibody, AAA46033-1.jpgAll lanes: Anti BUB1 (AAA46033) at 0.5ug/mlWB: Recombinant Human BUB1 Protein 0.5ngPredicted bind size: 39KDObserved bind size: 39KD

ADDITIONAL INFORMATION

Related Product Information for anti-BUB1 antibody	Description: Rabbit IgG polyclonal antibody for Mitotic checkpoint serine/threonine-protein kinase BUB1(BUB1) detection. Tested with WB in Human;Rat. Background: BUB1, also known as mitotic checkpoint serine/threonine kinase, is an enzyme that in humans is encoded by the BUB1 gene. It is mapped to 2q13. BUB1 is first identified in genetic screens of Saccharomyces cerevisiae. The protein is bound to kinetochores and plays a key role in the establishment of the mitotic spindle checkpoint and chromosome congression. The mitotic checkpoint kinase is evolutionary conserved in organisms as diverse as Saccharomyces cerevisiae and humans. Loss-of-function mutations or absence of BUB1 has been reported to result in aneuploidy, chromosomal instability (CIN) and premature senescence. The protein kinase BUB1 possesses versatile and distinct functions during the cell cycle, mainly in the SAC and chromosome alignment during metaphase.
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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; 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/mitotic-checkpoint-serine-threonine-protein-kinase-bub1-antibody-western-blot-elisa/46033>