

Rabbit BUB3 Polyclonal Antibody | anti-BUB3 antibody

BUB3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324210	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

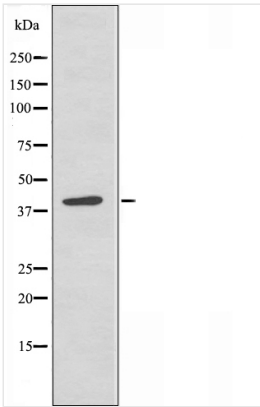
PRODUCT SYNONYMS

BUB3; Polyclonal Antibody; BUB3 Antibody; Aa2-050; AU019800; AU021329; AU043350; AW146323; BUB 3; BUB 3L; BUB3 (budding uninhibited by benzimidazoles 3; yeast) homolog; bub3; BUB3 budding uninhibited by benzimidazoles 3 homolog; BUB3 mitotic checkpoint protein; BUB3_HUMAN; BUB3L; Budding uninhibited by benomyl; Budding uninhibited by benzimidazoles 3; Budding uninhibited by benzimidazoles 3 homolog (S. cerevisiae); Budding uninhibited by benzimidazoles 3 homolog (yeast); Budding uninhibited by benzimidazoles 3 homolog; S. cerevisiae; homolog of; C78067; hBUB3; Mitotic checkpoint component; Mitotic checkpoint protein bub3; OTTHUMP00000020679; OTTHUMP00000020680; WD repeat type I transmembrane protein A72.5; anti-BUB3 antibody

PRODUCT SPECIFICATIONS

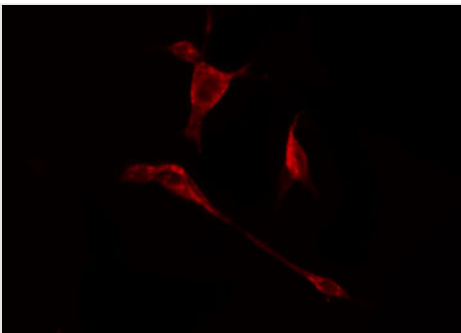
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	BUB3 antibody detects endogenous levels of total BUB3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	326
Applicable Applications for anti-BUB3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus. Chromosome > Centromere > Kinetochore. Starts to localize at kinetochores in prometaphase I (Pro-MI) stage and maintains the localization until the metaphase I-anaphase I (MI-AI) transition.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from HeLa cells using BUB3 antibody.



IF (Immunofluorescence)

AAA324210 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-BUB3 antibody	Function: Has a dual function in spindle-assembly checkpoint signaling and in promoting the establishment of correct kinetochore-microtubule (K-MT) attachments. Promotes the formation of stable end-on bipolar attachments. Necessary for kinetochore localization of BUB1. Regulates chromosome segregation during oocyte meiosis. The BUB1/BUB3 complex plays a role in the inhibition of anaphase-promoting complex or cyclosome (APC/C) when spindle-assembly checkpoint is activated and inhibits the ubiquitin ligase activity of APC/C by phosphorylating its activator CDC20. This complex can also phosphorylate MAD1L1. Subunit Structure: Interacts with BUB1 and BUBR1. The BUB1/BUB3 complex interacts with MAD1L1. Interacts with ZNF207/BuGZ; leading to promote stability and kinetochore loading of BUB3. Post-translational Modifications: Poly-ADP-ribosylated by PARP1. Similarity: Belongs to the WD repeat BUB3 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	56550081
NCBI GeneID	9184
NCBI Accession #	NP_001007794.1
NCBI GenBank Nucleotide #	NM_001007793.2
UniProt Accession #	O43684; O43685; A6NJ42; B2R6E7; D3DRE9
Molecular Weight	Observed: 40 kD Predicted: 38 kDa
NCBI Official Full Name	mitotic checkpoint protein BUB3 isoform b
NCBI Official Synonym Full Names	BUB3, mitotic checkpoint protein
NCBI Official Symbol	BUB3
NCBI Official Synonym Symbols	BUB3L; hBUB3
NCBI Protein Information	mitotic checkpoint protein BUB3
UniProt Protein Name	Mitotic checkpoint protein BUB3
UniProt Gene Name	BUB3

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.

