

Datasheet for ABIN499509
anti-BUB1 antibody (N-Term)

2 Images



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Overview

Quantity:	0.1 mg
Target:	BUB1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BUB1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Bub1 antibody was raised against a 19 amino acid peptide from near the amino terminus of human Bub1.
Isotype:	IgG
Specificity:	This antibody reacts to Bub1.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	BUB1
Alternative Name:	BUB1A (BUB1 Products)
Background:	Bub1 was initially identified as the mammalian homolog to the yeast protein through a cDNA

Target Details

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. Synonyms: BUB1L, Mitotic checkpoint serine/threonine-protein kinase BUB1

Gene ID: 699

UniProt: [O43683](#)

Application Details

Application Notes: ELISA. Western Blot: Bub1 antibody can be used for detection of bub1 at 2 - 4 µg/mL.
Immunocytochemistry.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

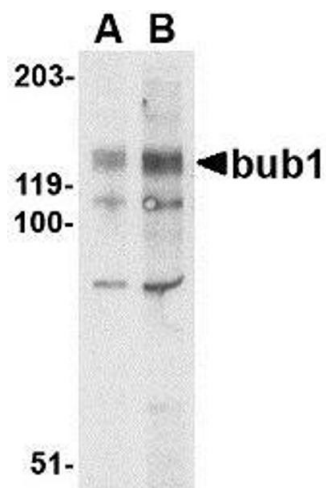
Buffer: PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

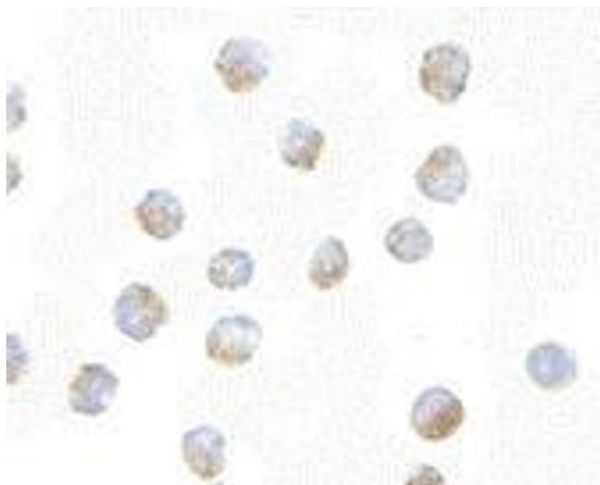
Storage: 4 °C

Storage Comment: Store the antibody undiluted at 2-8 °C.



Western Blotting

Image 1. Western blot analysis of bub1 in A-20 lysate with AP30171PU-N bub1 antibody at (A) 2 and (B) 4 µg/ml.



Immunofluorescence

Image 2. Immunocytochemistry of Bub1 in A20 cells with AP30171PU-N Bub1 antibody at 10 µg/ml.