

Datasheet for ABIN1887318 **anti-BUB1 antibody (C-Term)**



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Overview

Quantity:	100 µL
Target:	BUB1
Binding Specificity:	C-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BUB1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC)

Product Details

Immunogen:	22 amino acid peptide from near the carboxy terminus of human Bub1.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	BUB1
Alternative Name:	Bub1 (BUB1 Products)
Background:	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 Shugoshin protein and metaphase congression. Bub1 functions by phosphorylating

Target Details

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: Budding uninhibited by benzimidazoles 1

UniProt: [O43683](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.

Handling Advice: Avoid freezing and thawing repeatedly.

Storage: 4 °C/-20 °C

Storage Comment: Store at 4 °C for short term use. Store at -20 °C for long term preservation.