

Datasheet for ABIN499513

**anti-BUB3 antibody (C-Term, N-Term)****2** Images[Go to Product page](#)

## Overview

Quantity:	0.1 mg
Target:	BUB3
Binding Specificity:	C-Term, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BUB3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	Bub3 antibody was raised against a 16 amino acid peptide from near the carboxy terminus of human bub3.
Isotype:	IgG
Specificity:	This antibody reacts to Bub3.
Purification:	Affinity chromatography purified via peptide column

## Target Details

Target:	BUB3
Alternative Name:	BUB3 ( <a href="#">BUB3 Products</a> )
Background:	The mitotic checkpoint protein Bub3 is involved with the essential spindle checkpoint pathway

## Target Details

which operates during early embryogenesis. Bub3 is important during G2 and early mitosis stages, permitting entry into mitosis depending upon the assembly state of microtubules, thus preventing premature sister chromatid separation, mis-segregation and aneuploidy. Bub3 contains four WD repeat domains and is required for the kinetochore localization of Bub1, a related kinase that is necessary for spindle assembly checkpoint function. Bub1 is able to autophosphorylate and can catalyze the phosphorylation of Bub3. Both Bub1 and Bub3 are mutually dependent for function. Altered Bub expression levels may significantly impair mitotic checkpoint function and is associated with tumor cell proliferation. Synonyms: Mitotic checkpoint protein BUB3

Gene ID: 9184

UniProt: [O43684](#)

Pathways: [Maintenance of Protein Location](#)

## Application Details

Application Notes: ELISA. Western Blot: Bub3 antibody can be used for detection of bub3 at 0.5 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.

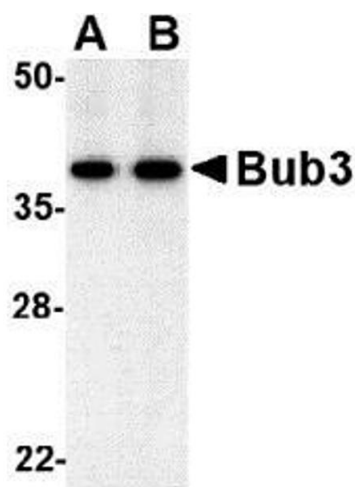
Storage: 4 °C

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



Immunofluorescence

**Image 1.** Immunocytochemistry of Bub3 in Jurkat cells with AP30173PU-N Bub3 antibody at 10 µg/ml.



Western Blotting

**Image 2.** Western blot analysis of bub3 in Jurkat cell lysate with AP30173PU-N bub3 antibody at (A) 0.5 and (B) 1 µg/ml.