

Datasheet for ABIN3030212  
**anti-BUB1 antibody (AA 731-1085)**

## 3 Images

[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	BUB1
Binding Specificity:	AA 731-1085
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BUB1 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	Human partial recombinant protein (AA 731-1085) was used as the immunogen for this Bub1 antibody.
Isotype:	IgG
Purification:	Antigen affinity

## Target Details

Target:	BUB1
Alternative Name:	Bub1 ( <a href="#">BUB1 Products</a> )
Background:	Budding uninhibited by benzimidazoles 1, also known as Mitotic checkpoint serine/threonine kinase, is an enzyme that in humans is encoded by the BUB1 gene. It was first identified in genetic screens of <i>Saccharomyces cerevisiae</i> . The protein is bound to kinetochores and plays a

## Target Details

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. Bub1 possesses versatile and distinct functions during the cell cycle, mainly in the SAC and chromosome alignment during metaphase.

Gene ID: 699

## Application Details

Application Notes: The stated application concentrations are suggested starting amounts. Titration of the Bub1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL

Restrictions: For Research Use only

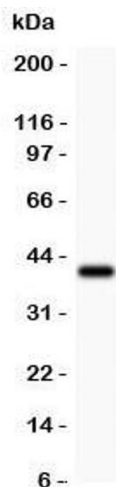
## Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

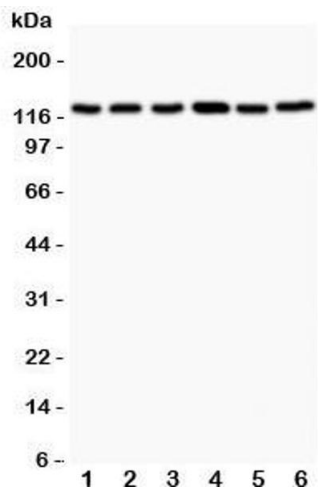
Storage Comment: After reconstitution, the Bub1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

## Images



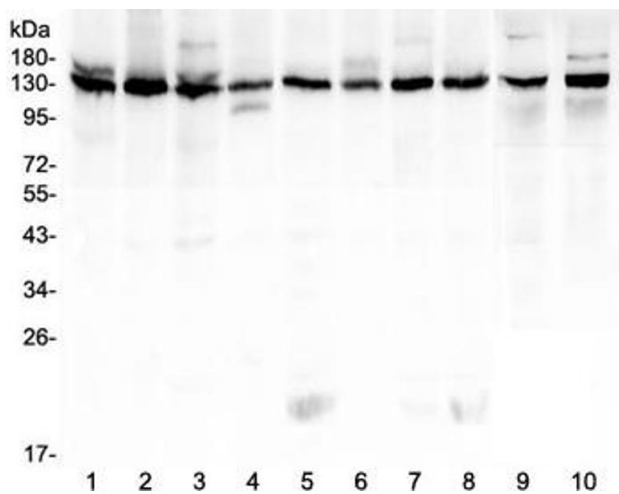
### Western Blotting

**Image 1.** Western blot testing of Bub1 antibody and recombinant human protein (0.5ng)



Western Blotting

**Image 2.** Western blot testing of Bub1 antibody and Lane 1: rat testis; 2: (r) ovary; 3: (r) liver; 4: human Jurkat; 5: (h) COLO320; 6: (h) HEPG2. Expected/observed size ~122KD



Western Blotting

**Image 3.** Western blot testing of human 1) K562, 2) HeLa, 3) 293T, 4) A431, 5) Caco-2, 6) PC-3, 7) MCF7, 8) U-2 OS, 9) rat testis and 10) mouse testis lysate with Bub1 antibody at 0.5ug/ml. Predicted molecular weight ~122 kDa.