

**Anti-BUB1B Antibody**  
**Rabbit polyclonal antibody to BUB1B**  
**Catalog # AP60871****Specification**

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**Anti-BUB1B Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">O60566</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	119545

**Anti-BUB1B Antibody - Additional Information****Gene ID** 701**Other Names**

BUBR1; MAD3L; SSK1; Mitotic checkpoint serine/threonine-protein kinase BUB1 beta;  
MAD3/BUB1-related protein kinase; hBUBR1; Mitotic checkpoint kinase MAD3L; Protein SSK1

**Target/Specificity**

Recognizes endogenous levels of BUB1B protein.

**Dilution**

WB~~WB (1/500 - 1/1000)

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-BUB1B Antibody - Protein Information****Name** BUB1B**Synonyms** BUBR1, MAD3L, SSK1**Function**

Essential component of the mitotic checkpoint. Required for normal mitosis progression. The mitotic checkpoint delays anaphase until all chromosomes are properly attached to the mitotic spindle. One of its checkpoint functions is to inhibit the activity of the anaphase-promoting complex/cyclosome (APC/C) by blocking the binding of CDC20 to APC/C, independently of its kinase activity. The other is to monitor kinetochore activities that depend on the kinetochore motor CENPE. Required for kinetochore localization of CENPE. Negatively regulates PLK1 activity in interphase cells and suppresses centrosome amplification. Also implicated in triggering apoptosis

in polyploid cells that exit aberrantly from mitotic arrest. May play a role for tumor suppression.

**Cellular Location**

Cytoplasm. Nucleus. Chromosome, centromere, kinetochore. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Note=Cytoplasmic in interphase cells. Associates with the kinetochores in early prophase. Kinetochore localization requires BUB1, PLK1 and KNL1

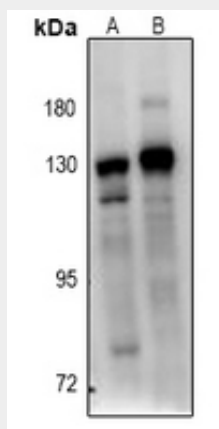
**Tissue Location**

Highly expressed in thymus followed by spleen. Preferentially expressed in tissues with a high mitotic index

**Anti-BUB1B Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-BUB1B Antibody - Images**

Western blot analysis of BUB1B expression in Hela (A), A549 (B) whole cell lysates.

**Anti-BUB1B Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human BUB1B. The exact sequence is proprietary.