



## **BUB3 Antibody (C-term) Blocking Peptide**

Synthetic peptide Catalog # BP6629b

### **Specification**

BUB3 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession <u>043684</u>

BUB3 Antibody (C-term) Blocking Peptide - Additional Information

**Gene ID 9184** 

**Other Names** 

Mitotic checkpoint protein BUB3, BUB3

Target/Specificity

The synthetic peptide sequence used to generate the antibody <a href=/products/AP6629b>AP6629b</a> was selected from the C-term region of human BUB3. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

### **Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

#### **Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

#### **Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**BUB3 Antibody (C-term) Blocking Peptide - Protein Information** 

Name BUB3

## **Function**

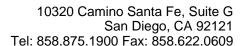
Has a dual function in spindle-assembly

# BUB3 Antibody (C-term) Blocking Peptide - Background

BUB3 is a protein involved in spindle checkpoint function. The protein contains four WD repeat domains and has sequence similarity with the yeast BUB3 protein.

## BUB3 Antibody (C-term) Blocking Peptide - References

Vernole,P., Cell Cycle 8 (3), 421-429 (2009)Logarinho,E., Mol. Biol. Cell 19 (4), 1798-1813 (2008)





checkpoint signaling and in promoting the establishment of correct kinetochore-microtubule (K-MT) attachments. Promotes the formation of stable end-on bipolar attachments. Necessary for kinetochore localization of BUB1. Regulates chromosome segregation during oocyte meiosis. The BUB1/BUB3 complex plays a role in the inhibition of anaphase-promoting complex or cyclosome (APC/C) when spindle-assembly checkpoint is activated and inhibits the ubiquitin ligase activity of APC/C by phosphorylating its activator CDC20. This complex can also phosphorylate MAD1L1.

### **Cellular Location**

Nucleus. Chromosome, centromere, kinetochore. Note=Starts to localize at kinetochores in prometaphase I (Pro-MI) stage and maintains the localization until the metaphase I- anaphase I (MI-AI) transition.

## BUB3 Antibody (C-term) Blocking Peptide - Protocols

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

• Blocking Peptides