

BUB3 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP6629c**Specification****BUB3 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [O43684](#)**BUB3 Antibody (Center) 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 AP6629c was selected from the Center 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 (Center) Blocking Peptide - Protein Information**Name** BUB3**Function**

Has a dual function in spindle-assembly 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 (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

BUB3 Antibody (Center) Blocking Peptide - Images

BUB3 Antibody (Center) 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 (Center) Blocking Peptide - References

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