

**ZWINT Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP6686b****Specification**

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**ZWINT Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [O95229](#)

**ZWINT Antibody (C-term) Blocking Peptide - Additional Information**

**Gene ID** 11130

**Other Names**

ZW10 interactor, ZW10-interacting protein 1, Zwint-1, ZWINT

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP6686b](/products/AP6686b) was selected from the C-term region of human ZWINT. 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.

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

**Name** ZWINT

**Function**

Part of the MIS12 complex, which is required for kinetochore formation and spindle checkpoint activity. Required to target ZW10 to the kinetochore at prometaphase.

**Cellular Location**

Nucleus. Chromosome, centromere, kinetochore. Note=Localizes to kinetochores from late prophase to anaphase

**ZWINT Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **ZWINT Antibody (C-term) Blocking Peptide - Images**

#### **ZWINT Antibody (C-term) Blocking Peptide - Background**

ZWINT is clearly involved in kinetochore function although an exact role is not known. It interacts with ZW10, another kinetochore protein, possibly regulating the association between ZW10 and kinetochores. The protein localizes to prophase kinetochores before ZW10 does and it remains detectable on the kinetochore until late anaphase. It has a uniform distribution in the cytoplasm of interphase cells.

#### **ZWINT Antibody (C-term) Blocking Peptide - References**

Famulski, J.K., J. Cell Biol. 180 (3), 507-520 (2008) Kops, G.J., J. Cell Biol. 169 (1), 49-60 (2005) Wang, H., J. Biol. Chem. 279 (52), 54590-54598 (2004)