10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ZWINT Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP6686c

Specification

ZWINT Antibody (Center) Blocking Peptide - Product Information

Primary Accession O95229

ZWINT Antibody (Center) 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 AP6686c was selected from the Center 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 (Center) 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 (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

ZWINT Antibody (Center) Blocking Peptide - Images

ZWINT Antibody (Center) 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 (Center) 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)