

# **ZWINT Antibody**

Mouse Monoclonal Antibody (Mab)
Catalog # AM2010b

### **Specification**

## **ZWINT Antibody - Product Information**

Application WB,E
Primary Accession 095229

Other Accession <u>NP\_001005413.1</u>, <u>NP\_008988.2</u>

Reactivity
Host
Clonality
Monoclonal

Isotype IgM Calculated MW 31293

### **ZWINT Antibody - Additional Information**

**Gene ID 11130** 

#### **Other Names**

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

## Target/Specificity

Purified His-tagged ZWINT protein(Fragment) was used to produced this monoclonal antibody.

#### **Dilution**

WB~~1:500~1000

#### **Format**

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Euglobin precipitation followed by dialysis against PBS.

#### Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### **Precautions**

ZWINT Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## **ZWINT Antibody - 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



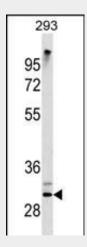
prophase to anaphase

# **ZWINT Antibody - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

### **ZWINT Antibody - Images**



ZWINT Antibody (Cat. #AM2010b) western blot analysis in 293 cell line lysates (35μg/lane). This demonstrates the ZWINT antibody detected the ZWINT protein (arrow).

### **ZWINT Antibody - Background**

This gene encodes a protein that 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 encoded 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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

#### **ZWINT Antibody - References**

Brendle, A., et al. Eur. J. Cancer 45(3):435-442(2009)
Famulski, J.K., et al. J. Cell Biol. 180(3):507-520(2008)
Morgan, A.R., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 144B (6), 762-770 (2007): Lin, Y.T., et al. Oncogene 25(52):6901-6914(2006)
Kops, G.J., et al. J. Cell Biol. 169(1):49-60(2005)