

## Rabbit Anti-ZWINT/Biotin Conjugated antibody

SL7852R-Bio

**Product Name** Anti-ZWINT/Biotin

**Chinese Name** 生物素标记的着丝粒 ZW10 相互作用蛋白 1 抗体

**Alias** HZwint1; KNTC 2 AP; KNTC2AP; MGC 117174; MGC117174; ZW10 interacting protein 1; ZW10 interactor; ZWINT 1; ZWINT1; ZWINT-1; ZWINT\_HUMAN.

**Research Area** Cell biology Cyclin Cell differentiation Epigenetics

**Immunogen Species** Rabbit

**Clonality** Polyclonal

**React Species** (predicted:Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep)

WB=1000-10000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:500-5000

**Applications** not yet tested in other applications.  
optimal dilutions/concentrations should be determined by the end user.

**Molecular weight** 31 kDa

**Form** Lyophilized or Liquid

**Concentration** 1mg/ml

**immunogen** KLH conjugated synthetic peptide derived from huamn ZWINT

**Lsotype** IgG

**Purification** affinity purified by Protein A

**Storage Buffer** 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

**Storage** Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**background:**

**Product Detail** ZWINT is a component of the MIS12 complex, which is required for kinetochore function and spindle checkpoint activity. ZWINT interacts with ZW10 and targets it to the kinetochore at prometaphase. ZWINT is detectable on the kinetochore till late anaphase.



Inhibition of ZWINT expression results in chromosome missegregation, spindle checkpoint failure and, ultimately, cell death upon cytokinesis.

**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.

**Subunit:**

Interacts with ZW10 and MIS12. Interacts with the NDC80 subunit of the NDC80 complex specifically during mitosis. Also interacts with CASC5, CETN3, DSN1 and PMF1.

**Subcellular Location:**

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

**Database links:**

UniProtKB/Swiss-Prot: O95229.2

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.