



Rabbit Anti-ZWINT antibody

SL7852R

Product Name:	ZWINT
Chinese Name:	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.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	31 kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ZWINT:85-170/277
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% 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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
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.

SWISS:

O95229

Gene ID:

11130

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.

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