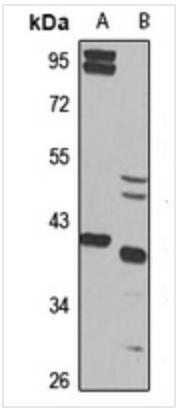
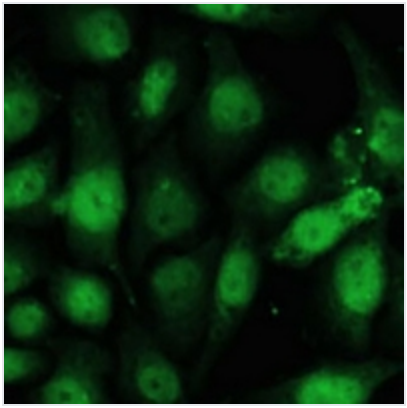
ZWINT Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ZWINT, Polyclonal Antibody
Full Product Name	Anti-ZWINT Antibody
Product Gene Name	anti-ZWINT antibody
Product Synonym Names	ZW10 interactor; ZW10-interacting protein 1; Zwint-1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in 0.42% Potassium Phosphate, 0.87% Sodium Chloride, pH 7.3, 30% Glycerol, and 0.01% Sodium Azide.
Purity/Purification	Purified by Immunogen Affinity Chromatography
Specificity	Recognizes endogenous levels of ZWINT protein.
Preparation and Storage	Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	25,544 Da
OMIM	609177
3D Structure	ModBase 3D Structure for O95229
Immunogen	Recombinant fusion protein of human ZWINT. The exact sequence is proprietary.
Applications Tested/Suitable for anti-ZWINT antibody	Western Blot (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)
Application Notes for anti-ZWINT antibody	WB: 1:500-1:2000 IF/ICC: 1:50-1:200
Related Product Information for anti-ZWINT antibody	MBS8308753 is an antibody targeting ZWINT. Reactive in Human, Mouse, Rat. Host: Rabbit. Rabbit polyclonal antibody to ZWINT
Other Notes	Small volumes of anti-ZWINT antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-ZWINT antibody
Western blot analysis of ZWINT expression in HepG2 (A), mouse brain (B) whole cell lysates.



Immunofluorescence (IF)/Immunocytochemistry (ICC) of anti-ZWINT antibody
Immunofluorescent analysis of ZWINT staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 degree C in a hidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ZWINT. It may not necessarily be applicable to this product.

NCBI GI #	53729320
NCBI GeneID	11130
NCBI Accession #	NP_001005413.1
UniProt Primary Accession #	O95229
UniProt Secondary Accession #	Q9CQU5; Q8VIL3
UniProt Related Accession #	O95229
GenBank Nucleotide #	NM_001005413.1
NCBI Official Full Name	ZW10 interactor isoform b
NCBI Official Synonym Full Names	ZW10 interacting kinetochore protein
NCBI Official Symbol	ZWINT
NCBI Official Synonym Symbols	SIP30; ZWINT1; KNTC2AP; HZwint-1
UniProt Protein Name	ZW10 interactor
UniProt Synonym Protein Names	ZW10-interacting protein 1; Zwint-1
Protein Family	ZW10 interactor
UniProt Gene Name	ZWINT
UniProt Synonym Gene Names	Zwint-1
UniProt Entry Name	ZWINT_HUMAN
NCBI Protein Information	ZW10 interactor
NCBI Summary for ZWINT	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. [provided by RefSeq, Jul 2008]

UniProt Comments for ZWINT	ZWINT: Part of the MIS12 complex, which is required for kinetochore formation and spindle checkpoint activity. Required to target ZW10 to the kinetochore at prometaphase. Protein type: Cell cycle regulation Chromosomal Location of Human Ortholog: 10q21-q22 Cellular Component: cytoplasm; cytosol; kinetochore Molecular Function: protein binding; protein N-terminus binding Biological Process: establishment of cellular localization; mitotic cell cycle checkpoint; mitotic sister chromatid segregation; sister chromatid cohesion
Research Articles on ZWINT	**1.** the E3 ubiquitin ligase terf causes protein degradation of ZWINT and negatively regulates cell proliferation
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