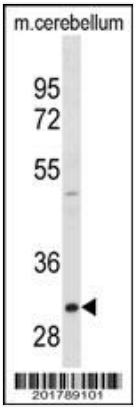
ZWINT Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	ZWINT, Monoclonal Antibody
Full Product Name	ZWINT Antibody (Ascites)
Product Gene Name	anti-ZWINT antibody
Product Synonym Names	ZW10 interactor; ZW10-interacting protein 1; Zwint-1; ZWINT
Clonality	Monoclonal
Isotype	IgM
Clone Number	422CT4.6.4
Host	Mouse
Species Reactivity	Human, mouse
Form/Format	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.
Specificity	Purified His-tagged ZWINT protein(Fragment) was used to produced this monoclonal antibody.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Molecular Weight	31293
OMIM	609177
3D Structure	ModBase 3D Structure for O95229
Antigen Type	Recombinant Protein
Antigen Source	HUMAN
Product Categories/Family for anti-ZWINT antibody	Cell Biology
Applications Tested/Suitable for anti-ZWINT antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-ZWINT antibody	WB~~1:500~4000
Related Product Information for anti-ZWINT antibody	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.
Product References and Citations for anti-ZWINT antibody	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)

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.
Searchable Terms for ZWINT purchase	MBS9200214 is an antibody targeting ZWINT. Also known as ZWINT Antibody (Ascites). Reactive in Human, mouse. Host: Mouse.



Western Blot (WB) of anti-ZWINT antibody
ZWINT Antibody western blot analysis in mouse cerebellum tissue lysates (35ug/lane).This demonstrates the ZWINT antibody detected the ZWINT protein (arrow).

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
NCBI Related Accession #	NP_008988.2; NP_127490.1
UniProt Primary Accession #	O95229
UniProt Secondary Accession #	Q0D2I3; Q9BWD0; A6NNV6
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: kinetochore; dendrite; cytoplasm; nucleus; cytosol Molecular Function: protein binding; protein N-terminus binding Biological Process: mitotic sister chromatid segregation; cell division; mitotic cell cycle checkpoint; mitotic cell cycle; establishment of cellular localization
Research Articles on ZWINT	**1.** the E3 ubiquitin ligase terf causes protein degradation of ZWINT and negatively regulates cell proliferation
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