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ZWINT Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP6686c

Specification

ZWINT Antibody (Center) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	O95229
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit Ig**
Calculated MW	**31293**
Antigen Region	**59-88**

ZWINT Antibody (Center) - Additional Information

Gene ID 11130

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

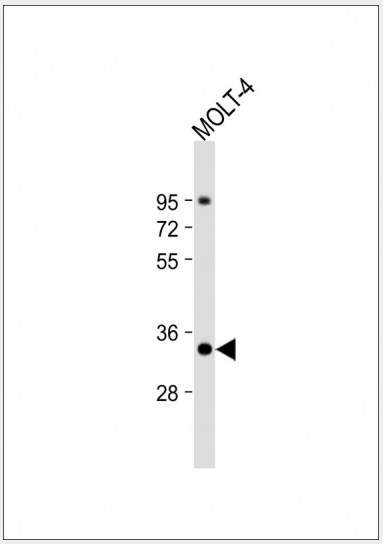
Target/Specificity
This ZWINT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 59-88 amino acids from the Central region of human ZWINT.

Dilution
WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

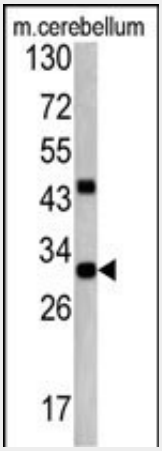
Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

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 (Center) is for research use only and not for use in diagnostic or



Anti-ZWINT Antibody (Center) at 1:1000 dilution + MOLT-4 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 31 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot analysis of ZWINT antibody (Center) (Cat. #AP6686c) in mouse cerebellum tissue lysates (35ug/lane). ZWINT (arrow) was detected using the purified Pab.

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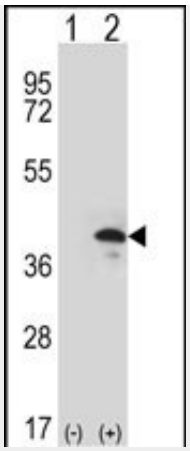
therapeutic procedures.

ZWINT Antibody (Center) - 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

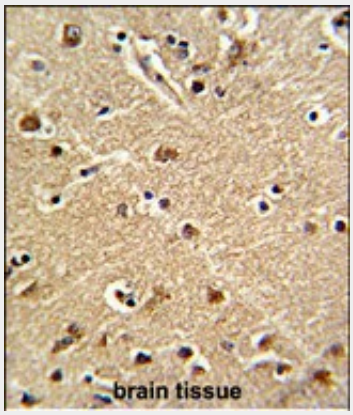


Western blot analysis of ZWINT (arrow) using rabbit polyclonal ZWINT Antibody (Center) (Cat. #AP6686c). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the ZWINT gene.

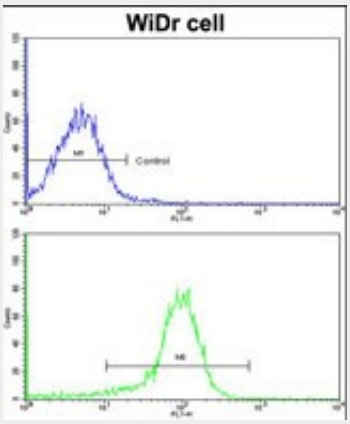
ZWINT Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture



Formalin-fixed and paraffin-embedded human brain tissue reacted with ZWINT Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



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Flow cytometric analysis of widr cells using ZWINT Antibody (Center)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ZWINT Antibody (Center) - Background

ZWINT 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 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.

ZWINT Antibody (Center) - References

Famulski,J.K., J. Cell Biol. 180 (3), 507-520 (2008) Kops,G.J., J. Cell Biol. 169 (1), 49-60 (2005) Wang,H., J. Biol. Chem. 279 (52), 54590-54598 (2004)

ZWINT Antibody (Center) - Citations

- Overexpression of Zwint predicts poor prognosis and promotes the proliferation of hepatocellular carcinoma by regulating cell-cycle-related proteins.