

Anti-ZWINT Picoband Antibody
Catalog # ABO11636**Specification**

Anti-ZWINT Picoband Antibody - Product Information

Application	WB, IHC
Primary Accession	O95229
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for ZW10 interactor(ZWINT) detection. Tested with WB, IHC-P in Human;Mouse;Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-ZWINT Picoband Antibody - Additional Information

Gene ID 11130

Other Names

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

Calculated MW

31293 MW KDa

Application Details

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Mouse, Rat, Human, By Heat
Western blot, 0.1-0.5 µg/ml, Human, Rat

Subcellular Localization

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

Protein Name

ZW10 interactor

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Na₃.

Immunogen

E.coli-derived human ZWINT recombinant protein (Position: Q29-Q249). Human ZWINT shares 58% and 57.1% amino acid (aa) sequence identity with mouse and rat ZWINT, respectively.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Anti-ZWINT Picoband Antibody - 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.

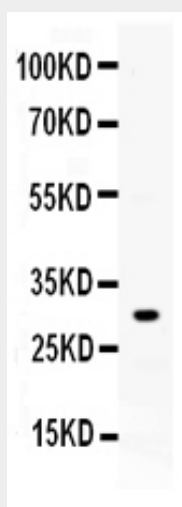
Cellular Location

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

Anti-ZWINT Picoband Antibody - Protocols

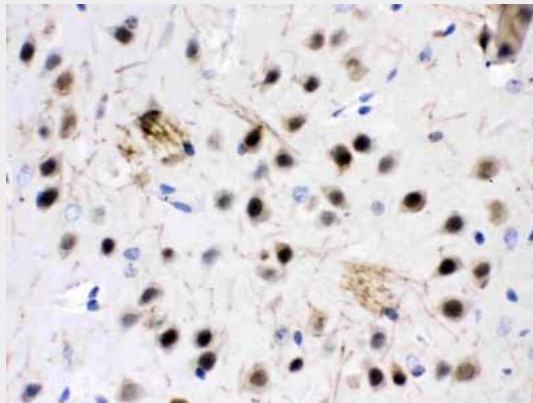
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

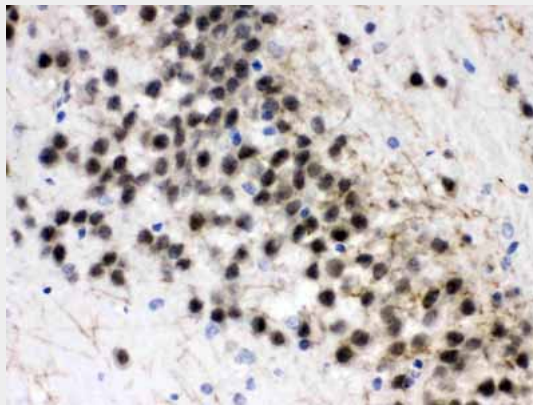
Anti-ZWINT Picoband Antibody - Images

Western blot analysis of ZWINT expression in rat skeletal muscle extract (lane 1). ZWINT at 31KD

was detected using rabbit anti- ZWINT Antigen Affinity purified polyclonal antibody (Catalog # ABO11636) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method .



ZWINT was detected in paraffin-embedded sections of mouse brain tissues using rabbit anti- ZWINT Antigen Affinity purified polyclonal antibody (Catalog # ABO11636) at 1 µg/mL. The immunohistochemical section was developed using SABC method .



ZWINT was detected in paraffin-embedded sections of rat brain tissues using rabbit anti- ZWINT Antigen Affinity purified polyclonal antibody (Catalog # ABO11636) at 1 µg/mL. The immunohistochemical section was developed using SABC method .

Anti-ZWINT Picoband Antibody - Background

ZW10 interactor (Zwint-1) is a protein that in humans is encoded by the ZWINT gene. 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.