



Datasheet for ABIN2856493
anti-ZWINT antibody (Center)



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1 Publication

Overview

Quantity:	100 µL
Target:	ZWINT
Binding Specificity:	Center
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ZWINT antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human ZWINT. The exact sequence is proprietary.
Isotype:	IgG
Characteristics:	Rabbit Polyclonal antibody to ZWINT (ZW10 interactor) ZWINT antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	ZWINT
Alternative Name:	ZWINT (ZWINT Products)

Target Details

Background: 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.

Cellular Localization: Nucleus , Kinetochore

Molecular Weight: 31 kDa

Gene ID: 11130

Application Details

Application Notes: Suggested dilution Reference ICC/IF 1:100-1:1000* Western blot 1:500-1:3000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceICC/IF1:100-1:1000* Western blot1:500-1:3000*

Comment: Positive Control: 293T , Molt-4 , Raji

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: 0.1M Tris, 0.1M Glycine, 10 % Glycerol (pH 7). 0.01 % Thimerosal was added as a preservative.

Preservative: Thimerosal (Merthiolate)

Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

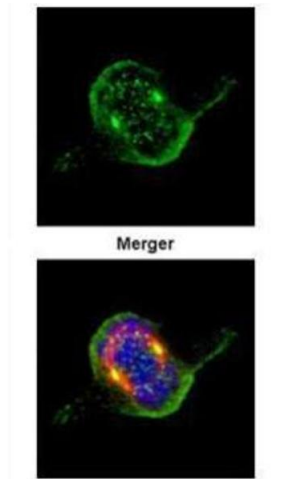
Storage Comment: Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Publications

Product cited in: Lin, Kiihl, Suhail, Liu, Chou, Kuang, Lu, Khor, Lin, Bader, Irizarry, Boeke: "Functional dissection of

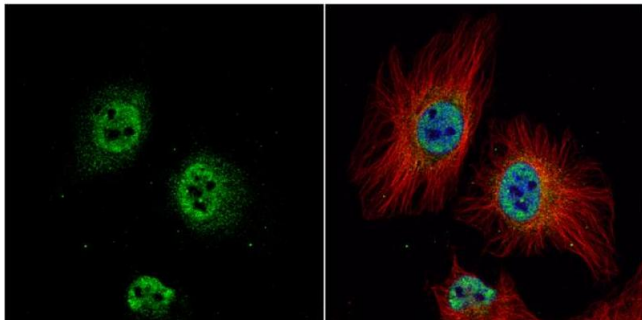
lysine deacetylases reveals that HDAC1 and p300 regulate AMPK." in: **Nature**, Vol. 482, Issue 7384, pp. 251-5, (2012) ([PubMed](#)).

Images



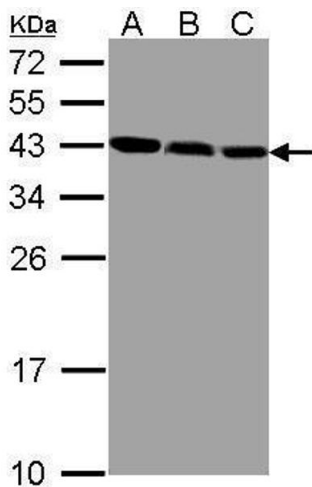
Immunofluorescence

Image 1. ICC/IF Image Confocal immunofluorescence analysis (Olympus FV10i) of paraformaldehyde-fixed 293T, using ZWINT, antibody (Green) at 1:500 dilution. Alpha-tubulin filaments were labeled with (Red) at 1:500.



Immunofluorescence

Image 2. ICC/IF Image ZWINT antibody detects ZWINT protein at nucleus by immunofluorescent analysis. Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: ZWINT protein stained by ZWINT antibody , diluted at 1:500. Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody [B-5-1-2] , diluted at 1:10000. Blue: Hoechst 33342 staining.



Western Blotting

Image 3. WB Image Sample(30 ug whole cell lysate) A:293T B:MOLT4 , C:Raji , 12% SDS PAGE antibody diluted at 1:1000