

Product datasheet

Anti-ZWINT antibody ab71982

3 Images

Overview

<b>Product name</b>	Anti-ZWINT antibody
<b>Description</b>	Rabbit polyclonal to ZWINT
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, WB, IP, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide corresponding to a region between residue 225 and the C terminus (residue 277) of human ZWINT (NP_008988.2).
<b>Positive control</b>	HeLa and 293T whole cell lysates.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	ab71982 was affinity purified using an epitope specific to ZWINT immobilized on solid support.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab71982** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

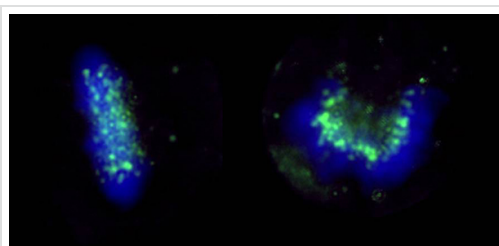
Application	Abreviews	Notes
ICC/IF		1/50 - 1/250. Formaldehyde fixation is recommended. Permeabilization with Triton-X 100 is recommended for formaldehyde-fixed cells.

Application	Abreviews	Notes
WB		1/2000 - 1/10000. Detects a band of approximately 38 kDa (predicted molecular weight: 31 kDa).
IP		Use at 2-5 µg/mg of lysate.
IHC-P		1/100 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## Target

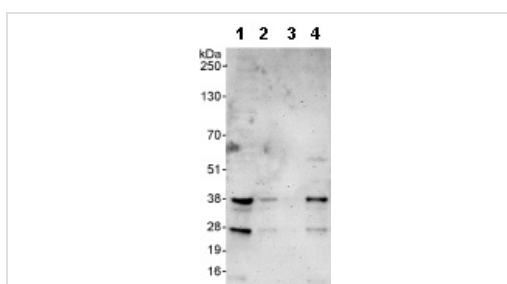
<b>Function</b>	Part of the MIS12 complex, which is required for kinetochore formation and spindle checkpoint activity. Required to target ZW10 to the kinetochore at prometaphase.
<b>Cellular localization</b>	Nucleus. Chromosome > centromere > kinetochore. Localizes to kinetochores from late prophase to anaphase.

## Images



Immunocytochemistry/ Immunofluorescence - Anti-ZWINT antibody (ab71982)

Immunocytochemistry/Immunofluorescence analysis of formaldehyde-fixed HeLa cells labelling ZWINT with ab71982 at 1/200 (1 µg/ml). A FITC-conjugated goat anti-rabbit IgG (1/100) was used as the secondary antibody.



Western blot - Anti-ZWINT antibody (ab71982)

**All lanes :** Anti-ZWINT antibody (ab71982) at 0.04 µg

**Lane 1 :** HeLa whole cell lysate at 50 µg

**Lane 2 :** HeLa whole cell lysate at 15 µg

**Lane 3 :** HeLa whole cell lysate at 5 µg

**Lane 4 :** 293T whole cell lysate at 50 µg

Developed using the ECL technique.

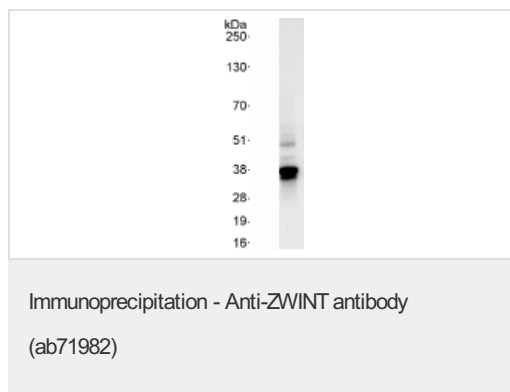
**Predicted band size:** 31 kDa

**Observed band size:** 38 kDa

[why is the actual band size different from the predicted?](#)

**Additional bands at:** 28 kDa. We are unsure as to the identity of these extra bands.

**Exposure time:** 3 minutes



Detection of ZWINT by Western Blot of Immunoprecipitate.  
ab71982 at 1 µg/ml staining ZWINT in HeLa whole cell lysate  
immunoprecipitated using ab71982 at 3 µg/mg lysate (1 mg/IP; 20%  
of IP loaded/lane).  
Detection: Chemiluminescence with exposure time of 30 seconds.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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