

ZW10 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57500**Specification**

ZW10 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	O43264
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	88829

ZW10 Polyclonal Antibody - Additional Information**Gene ID** 9183**Other Names**

Centromere/kinetochore protein zw10 homolog, ZW10

Dilution

IHC-P~N/A
IHC-F~N/A
IF~1:50~200
E~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

ZW10 Polyclonal Antibody - Protein Information**Name** ZW10**Function**

Essential component of the mitotic checkpoint, which prevents cells from prematurely exiting mitosis. Required for the assembly of the dynein-dynactin and MAD1-MAD2 complexes onto kinetochores. Its function related to the spindle assembly machinery is proposed to depend on its association in the mitotic RZZ complex (PubMed:[11590237](http://www.uniprot.org/citations/11590237), PubMed:[15485811](http://www.uniprot.org/citations/15485811), PubMed:[15824131](http://www.uniprot.org/citations/15824131)). Involved in regulation of membrane traffic between the Golgi and the endoplasmic reticulum (ER); the function is proposed to depend on its association in the interphase NRZ complex which is believed to play a role in SNARE assembly at the ER (PubMed:[15029241](http://www.uniprot.org/citations/15029241)).

Cellular Location

Cytoplasm. Endoplasmic reticulum membrane; Peripheral membrane protein. Chromosome,

centromere, kinetochore. Cytoplasm, cytoskeleton, spindle. Lipid droplet. Note=Dynamic pattern of localization during the cell cycle. In most cells at interphase, present diffusely in the cytoplasm (PubMed:15029241). In prometaphase, associated with the kinetochore. At metaphase, detected both at the kinetochores and, most prominently, at the spindle, particularly at the spindle poles. In very early anaphase, detected on segregating kinetochores. In late anaphase and telophase, accumulates at the spindle midzone (PubMed:11590237).

Tissue Location

Widely expressed.

ZW10 Polyclonal 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](#)

ZW10 Polyclonal Antibody - Images