Datasheet for ABIN675617

anti-ZW10 antibody (HRP)

Go to Product page

Overview

Quantity:	100 µL
Target:	ZW10
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ZW10 antibody is conjugated to HRP
Application:	ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse ZW10
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat
Purification:	Purified by Protein A.

Target Details

Target:	ZW10
Abstract:	ZW10 Products
Background:	Synonyms: Centromere/kinetochore protein zw10, Centromere/kinetochore protein zw10 homolog, HZW 10, HZW10, Kinetochore associated homolog, KNTC1AP, MGC149821, Zeste White 10, Zeste white 10 homolog, ZW 10, ZW 10, centromere/kinetochore protein, ZW 10

Target Details

	kinetochore associated homolog, ZW10 Drosophila homolog centromere/kinetochore protein, ZW10 homolog centromere/kinetochore protein Drosophila, ZW10 homolog centromere/kinetochore protein, ZW10 kinetochore associated homolog, ZW10_MOUSE. Background: The mitotic checkpoint ensures that chromosomes are divided equally between daughter cells and is a primary mechanism preventing the chromosome instability often seen in aneuploid human tumors. This gene encodes a protein that is one of many involved in mechanisms to ensure proper chromosome segregation during cell division. The encoded protein binds to centromeres during the prophase, metaphase, and early anaphase cell division stages and to kinetochore microtubules during metaphase. It is part of the MIS12 complex, which may be fundamental for kinetochore formation and proper chromosome segregation during mitosis. In mitotic human cells ZW10 resides in a complex with Rod and Zwilch, whereas another ZW10 partner, Zwint-1, is part of a separate complex of structural kinetochore components including Mis12 and Ndc80-Hec1. Zwint-1 is critical for recruiting ZW10 to unattached kinetochores. Depletion from human cells demonstrates that the ZW10 complex is essential for stable binding of a Mad1-Mad2 complex to unattached kinetochores. Thus, ZW10 functions as a linker between the core structural elements of the outer kinetochore and components that catalyze generation of the mitotic checkpoint-derived "stop anaphase" inhibitor.
Gene ID:	9183

Application Details

Application Notes:	WB 1:100-1000 IHC-P 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	Gentamicin sulfate
Precaution of Use:	This product contains Gentamicin sulfate: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months