Datasheet for ABIN4886776

anti-ZWINT antibody (AA 29-249)

3 Images

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Overview

Quantity:	100 µg
Target:	ZWINT
Binding Specificity:	AA 29-249
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for ZW10 interactor(ZWINT) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
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.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for ZW10 interactor(ZWINT) detection. Tested with WB, IHC-P in Human,Mouse,Rat. Gene Name: ZW10 interacting kinetochore protein Protein Name: ZW10 interactor
Purification:	Immunogen affinity purified.

Target Details

Target:	ZWINT
Alternative Name:	ZWINT (ZWINT Products)
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. Synonyms: HZwint 1 | HZwint1 | KNTC 2 AP | KNTC2AP | ZWINT 1 | ZWINT | Zwint-1 | ZWINT1 | O95229
Gene ID:	11130
UniProt:	O95229

Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Mouse, Rat, Predicted Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

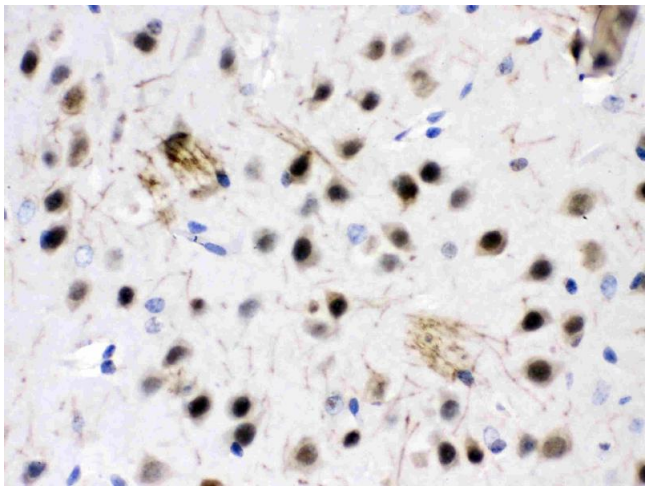
Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.

Handling

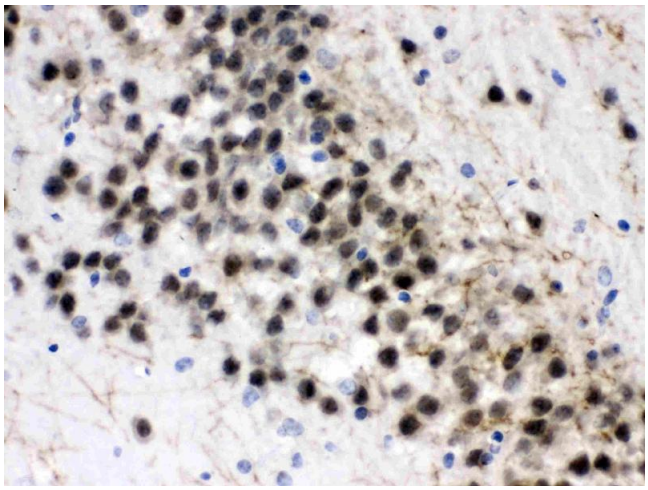
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, 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.

Images



Immunohistochemistry

Image 1. ZWINT was detected in paraffin-embedded sections of mouse brain tissues using rabbit anti- ZWINT Antigen Affinity purified polyclonal antibody (Catalog #) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



Immunohistochemistry

Image 2. ZWINT was detected in paraffin-embedded sections of rat brain tissues using rabbit anti- ZWINT Antigen Affinity purified polyclonal antibody (Catalog #) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).

Western Blotting

Image 3. 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 #) at 0.5 ??g/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).