

Rabbit ZWINT Polyclonal Antibody | anti-ZWINT antibody

Anti-ZWINT Antibody

CATALOG # AAA46654	HOST Rabbit	REACTIVITY Human, Mouse, Rat No cross reactivity with other proteins.	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

ZWINT; Polyclonal Antibody; Anti-ZWINT Antibody; HZwint 1; HZwint1; KNTC 2 AP; KNTC2AP; ZWINT 1; Zwint-1; ZWINT1; O95229; ZW10 interactor; ZW10 interacting kinetochore protein; anti-ZWINT antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	230
Applicable Applications for anti-ZWINT antibody	IHC (Immunohistochemistry), WB (Western Blot)
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.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemisry)

ZWINT was detected in paraffin-embedded sections of rat brain tissues using rabbit anti-ZWINT Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohiostchemistry)

ZWINT was detected in paraffin-embedded sections of mouse brain tissues using rabbit anti-ZWINT Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)

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 at 0.5 ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-ZWINT antibody	Rabbit IgG polyclonal antibody for ZW10 interactor (ZWINT) detection. 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.
References	1. "Entrez Gene: ZWINT ZW10 interactor". 2. Obuse C, Iwasaki O, Kiyomitsu T, Goshima G, Toyoda Y, Yanagida M (Nov 2004). "A conserved Mis12 centromere complex is linked to heterochromatic HP1 and outer kinetochore protein Zwint-1". Nature Cell Biology 6 (11): 1135-41. 3. van Vlijmen T, Vleugel M, Evers M, Mohammed S, Wulf PS, Heck AJ, Hoogenraad CC, van der Sluijs P (Aug 2008). "A unique residue in rab3c determines the interaction with novel binding protein Zwint-1". FEBS Letters 582 (19): 2838-42.

NCBI AND UNIPROT INFORMATION

NCBI GI #	53729320
NCBI GeneID	11130
NCBI Accession #	NP_001005413.1
NCBI GenBank Nucleotide #	NM_001005413.1
UniProt Accession #	O95229; Q0D2I3; Q9BWD0; A6NNV6
Molecular Weight	25,544 Da
NCBI Official Full Name	ZW10 interactor isoform b
NCBI Official Synonym Full Names	ZW10 interacting kinetochore protein
NCBI Official Symbol	ZWINT
NCBI Official Synonym Symbols	SIP30; ZWINT1; KNTC2AP; HZwint-1
NCBI Protein Information	ZW10 interactor
UniProt Protein Name	ZW10 interactor
UniProt Gene Name	ZWINT
UniProt Synonym Gene Names	Zwint-1
UniProt Entry Name	ZWINT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.