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Datasheet for ABIN5012822
anti-ZWILCH antibody (Alexa Fluor 680)

Overview

Quantity:	100 µL
Target:	ZWILCH
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ZWILCH antibody is conjugated to Alexa Fluor 680
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ZWILCH
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	ZWILCH
Alternative Name:	ZWILCH (ZWILCH Products)
Background:	Synonyms: hZwilch, KNTC1AP, MGC111034, Protein zwilch homolog, ZWILC_HUMAN, zwilch,y ZWILCH protein, Zwilch, kinetochore associated, homolog. Background: Zwilch is the human homolog of the Drosophila Zwilch protein. The Drosophila Zwilch forms a complex with both ROD (Rough Deal) and ZWINT (Zeste-White 10, also

Target Details

designated ZW10) proteins. This complex is important for chromosome segregation because it recruits cytoplasmic Dynein to the kinetochore and plays a crucial role in the spindle checkpoint. The role of Zwi1 in complex is thought to be evolutionarily conserved because the human homologs of Zwi1, ZWINT and ROD coimmunoprecipitate in a human cell line called HeLa. The human Zwi1, ZWINT and ROD complex localizes to the kinetochores at prometaphase. Mutations were discovered in Zwi1, ZWINT and ROD during a screen for mutations in alleles encoding putative chromosome instability genes in cases of human colorectal cancer. These mutations may contribute in part to the chromosomal instability phenotype of colorectal tumor cells.

Gene ID: 55055

UniProt: [Q9H900](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200

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: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months