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Datasheet for ABIN1387137
anti-ZWILCH antibody

Overview

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

Target Details

Zwilch forms a complex with both ROD (Rough Deal) and ZWINT (Zeste-White 10, also 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 Zwilch in complex is thought to be evolutionarily conserved because the human homologs of Zwilch, ZWINT and ROD coimmunoprecipitate in a human cell line called HeLa. The human Zwilch, ZWINT and ROD complex localizes to the kinetochores at prometaphase. Mutations were discovered in Zwilch, 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: WB 1:300-5000
IHC-P 1:200-400
IF(IHC-P) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % 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: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months