

## bs-9732R-Biotin

### • Rabbit Anti-ZWILCH Polyclonal Antibody, Biotin conjugated

Conjugated Primary Antibodies

#### Background:

Zwilch is the human homolog of the Drosophila Zwiich protein. The Drosophila Zwiich 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 Zwiich in complex is thought to be evolutionarily conserved because the human homologs of Zwiich, ZWINT and ROD coimmunoprecipitate in a human cell line called HeLa. The human Zwiich, ZWINT and ROD complex localizes to the kinetochores at prometaphase. Mutations were discovered in Zwiich, 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.

**Purification:** Was purified by Protein A and peptide affinity chromatography.

#### Storage:

Prepared as lyophilized powder and shipped on ice. Store at -20°C for one year as lyophilized powder or liquid. Please reconstitute before use.

#### Reconstitution:

If the antibody is in liquid form, no reconstitution needed.

Reconstitution is only required for the lyophilized antibody. Please refer to the reconstitution instruction card in the package.

**Size:** 100ul or 100ug lyophilized

**Concentration:** 1ug/uL

**Host:** Rabbit

#### Reactivities:

Human, Mouse, Rat, Horse, Rabbit,

#### Application:

- WB(1:100-500)
- ELISA(1:500-1000)
- IHC-P(1:100-500)
- IHC-F(1:100-500)
- Not yet tested in other applications. Optimal working dilutions must be determined by the end user.

**Antibody Type:** Polyclonal

**Isotype:** IgG

**Molecular Weight:** 54kDa

#### Preservatives:

10ug/uL BSA and 0.1% NaN<sub>3</sub>.

For research use only. CAUTION: Not for human or animal therapeutic or diagnostic use.

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