

## **Product datasheet for TA335776**

## **Zyxin (ZYX) Rabbit Polyclonal Antibody**

## **Product data:**

**Product Type:** Primary Antibodies

Applications: WB

Recommended Dilution: WB

Reactivity: Human

**Host:** Rabbit

**Isotype:** IgG

Clonality: Polyclonal

**Immunogen:** The immunogen for Anti-ZYX Antibody: synthetic peptide directed towards the middle region

of human ZYX. Synthetic peptide located within the following region: QPRGPPASSPAPAPKFSPVTPKFTPVASKFSPGAPGGSGSQPNQKLGHPE

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

**Purification:** Affinity Purified

**Conjugation:** Unconjugated

**Store** at -20°C as received.

**Stability:** Stable for 12 months from date of receipt.

Predicted Protein Size: 61 kDa Gene Name: zyxin

Database Link: NP 003452

Entrez Gene 7791 Human

Q15942



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Background:

TRIM50 is an E3 ubiquitin-protein ligase. Focal adhesions are actin-rich structures that enable cells to adhere to the extracellular matrix and at which protein complexes involved in signal transduction assemble. Zyxin is a zinc-binding phosphoprotein that concentrates at focal adhesions and along the actin cytoskeleton. Zyxin has an N-terminal proline-rich domain and three LIM domains in its C-terminal half. The proline-rich domain may interact with SH3 domains of proteins involved in signal transduction pathways while the LIM domains are likely involved in protein-protein binding. Zyxin may function as a messenger in the signal transduction pathway that mediates adhesion-stimulated changes in gene expression and may modulate the cytoskeletal organization of actin bundles. Alternative splicing results in multiple transcript variants that encode the same isoform.

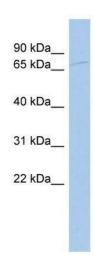
**Synonyms:** ESP-2; HED-2

Note: Immunogen Sequence Homology: Human: 100%; Dog: 93%; Horse: 93%; Pig: 86%; Rat: 86%;

Bovine: 86%; Guinea pig: 86%; Rabbit: 79%

**Protein Pathways:** Focal adhesion

## **Product images:**



WB Suggested Anti-ZYX Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:12500; Positive Control: Human Stomach