

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: QPRGPPASSPAPAPKFSVTPKFTPVASKFSPGAPGGSGSQPNQKLGHPE
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	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-ZYG Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:12500; Positive Control: Human Stomach