

Datasheet for ABIN2775767
anti-ZYX antibody (Middle Region)

5 Images

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Overview

Quantity:	100 µL
Target:	ZYX
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Cow, Dog, Horse, Rabbit, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ZYX antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human ZYX
Sequence:	QPRGPPASSP APAPKFSPVT PKFTPVASKF SPGAPGGSGS QPNQKLGHPE
Predicted Reactivity:	Cow: 86%, Dog: 93%, Guinea Pig: 86%, Horse: 93%, Human: 100%, Rabbit: 79%, Rat: 86%
Characteristics:	This is a rabbit polyclonal antibody against ZYX. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	ZYX
Alternative Name:	ZYX (ZYX Products)

Target Details

Background:	<p>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.</p> <p>Alias Symbols: ESP-2, HED-2</p> <p>Protein Interaction Partner: RTN4IP1, YPEL3, IMP3, PHF21A, PDLIM5, LIN7A, SUMO1, NEDD8, FAM129B, CORO1B, CAND1, PUF60, PAPOLA, NUDC, SEC23B, SEC24C, HIST1H4A, UGP2, TARS, PXN, GART, GARS, APEH, FN1, HIPK3, VCAM1, UBC, UBL7, UFC1, UBXN7, ZC3H7B, TTLL12, FERMT2, TOMM34, AHCYL1, SSSCA1,</p> <p>Protein Size: 572</p>
Molecular Weight:	61 kDa
Gene ID:	7791
NCBI Accession:	NM_003461 , NP_003452
UniProt:	Q15942

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 572 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide

Handling

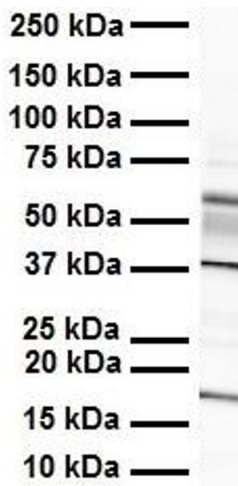
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



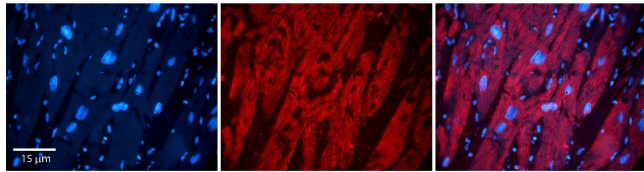
Western Blotting

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



Western Blotting

Image 2. WB Suggested Anti-ZYX antibody Titration: 1 ug/mL Sample Type: Human heart



Immunohistochemistry

Image 3. Rabbit Anti-ZYX Antibody Formalin Fixed Paraffin Embedded Tissue: Human heart Tissue Observed Staining: Cytoplasmic in mitochondria Primary Antibody Concentration: N/A Other Working Concentrations: 1:600 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN2775767.