

Datasheet for ABIN2775766
anti-ZYX antibody (Middle Region)

3 Images

1 Publication

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Overview

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

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human ZYX
Sequence:	GSPQPPSFTY AQQREKPRVQ EKQHPVPPPA QNQNQVRSPG APGPLTLKEV
Predicted Reactivity:	Cow: 85%, Dog: 92%, Guinea Pig: 92%, Horse: 100%, Human: 100%, Mouse: 85%, Rabbit: 92%, Rat: 91%
Characteristics:	This is a rabbit polyclonal antibody against ZYX. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	ZYX
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Target Details

Alternative Name:	ZYX (ZYX Products)
Background:	<p>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 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.</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
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

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.

Publications

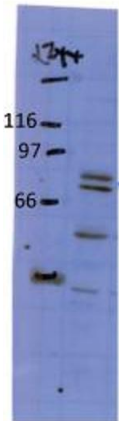
Product cited in:	Lazrek, Goffard, Schanen, Karquel, Bocket, Lion, Devaux, Hedouin, Gosset, Hober: "Detection of hepatitis C virus antibodies and RNA among medicolegal autopsy cases in Northern France." in: Diagnostic microbiology and infectious disease , Vol. 55, Issue 1, pp. 55-8, (2006) (PubMed).
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Images



Western Blotting

Image 1. WB Suggested Anti-ZYX Antibody Titration: 1.25ug/ml ELISA Titer: 1:62500 Positive Control: Jurkat cell lysate



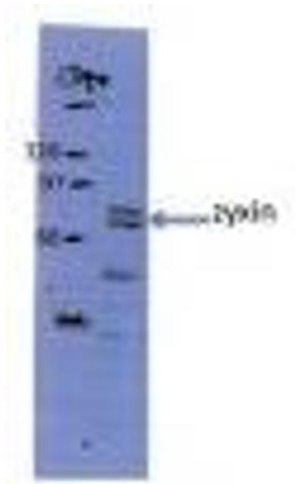
ZYX (ARP34387_T100)
Western Blot
Sample: HeLa whole cell lysate
Dilution: 1:200

Application data in forum

Submitted by:
Dr. Paul Chang
MIT

Western Blotting

Image 2. Sample Type: HeLa whole cell lysatePrimary Dilution: 1:200



Western Blotting

Image 3. Sample Type: HeLa whole cell lysatePrimary
Dilution: 1:200 ZYX is strongly supported by BioGPS gene
expression data to be expressed in Human HeLa cells