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Datasheet for ABIN7101467

## anti-ZYX antibody

### 2 Images

#### Overview

Quantity:	20 µL
Target:	ZYX
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This ZYX antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

#### Product Details

Immunogen:	A synthesized peptide derived from human Zyxin
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

#### Target Details

Target:	ZYX
Alternative Name:	ZYX ( <a href="#">ZYX Products</a> )
Background:	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-

## Target Details

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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. [provided by RefSeq, Jul 2008],ESP-2, HED-2,Cell Adhesion,Cell Biology & Developmental Biology,Cytoskeleton,Cytoskeleton\_Microfilaments,Epigenetics & Nuclear Signaling,Neuroscience,RNA Binding,Signal Transduction,Transcription Factors,ZYX

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Molecular Weight: 78 kDa

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Gene ID: 7791

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UniProt: [Q15942](#)

## Application Details

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Application Notes: WB,1:500 - 1:2000,IF,1:50 - 1:200

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Restrictions: For Research Use only

## Handling

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Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

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Preservative: Sodium azide

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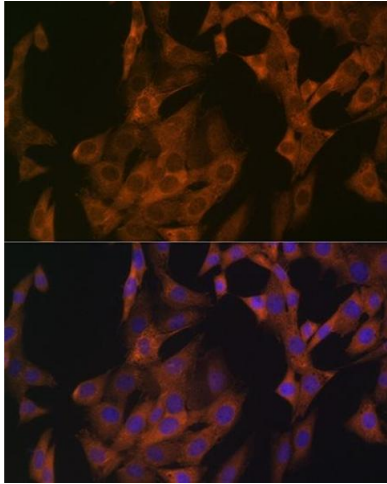
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C

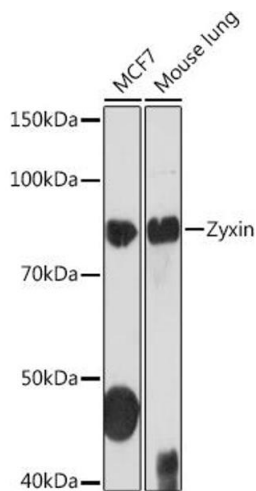
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Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



### Immunofluorescence

**Image 1.** Immunofluorescence analysis of NIH-3T3 cells using Zyxin Rabbit mAb (ABIN1682627, ABIN3015962, ABIN3015963 and ABIN7101467) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using Zyxin Rabbit mAb (ABIN1682627, ABIN3015962, ABIN3015963 and ABIN7101467) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.