

For Research Use Only

# Zyxin Polyclonal antibody

Catalog Number: 10330-1-AP

Featured Product

7 Publications



## Basic Information

### Catalog Number:

10330-1-AP

### Size:

150ul, Concentration: 350 µg/ml by Nanodrop and 220 µg/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG0419

### GenBank Accession Number:

BC008743

### GeneID (NCBI):

7791

### Full Name:

zyxin

### Calculated MW:

80 kDa

### Observed MW:

78 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:5000

IF 1:50-1:500

## Applications

### Tested Applications:

IF, WB, ELISA

### Cited Applications:

IF, IP, WB

### Species Specificity:

human

### Cited Species:

human, mouse, rabbit

### Positive Controls:

WB : A549 cells, HeLa cells, MCF-7 cells

IF : A549 cells,

## Background Information

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 (ZYX) 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Gaoming Li	30328655	Cell Prolif	IF
Rong Yan	34657146	Cell Death Dis	WB,IF
Natalia Schiefermeier	24841562	J Cell Biol	IF

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

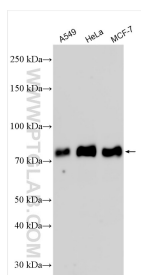
For technical support and original validation data for this product please contact:

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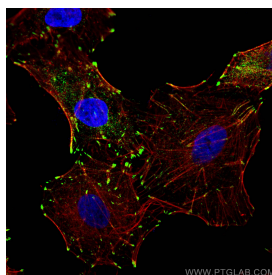
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10330-1-AP (Zyxin antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A549 cells using Zyxin antibody (10330-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).