

Zyxin Polyclonal antibody

Catalog Number: 10330-1-AP

Featured Product

7 Publications

Basic Information

Catalog Number:

10330-1-AP

Size:

350 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0419

GenBank Accession Number:

BC008743

GeneID (NCBI):

7791

UNIPROT ID:

Q15942

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/ICC, WB, ELISA

Cited Applications:

WB, IP, IF

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

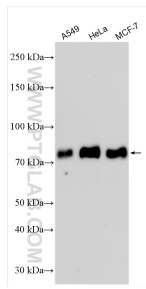
For technical support and original validation data for this product please contact:

T: 4006900926

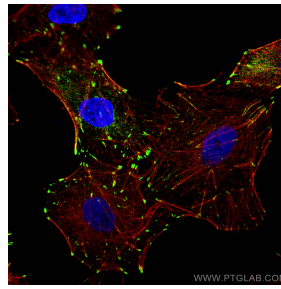
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Selected Validation Data



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).