

For Research Use Only

# Zyxin Monoclonal antibody

Catalog Number: 60254-1-Ig **5 Publications**



## Basic Information

<b>Catalog Number:</b> 60254-1-Ig	<b>GenBank Accession Number:</b> BC008743	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 7791	<b>CloneNo.:</b> 4D7E7
<b>Source:</b> Mouse	<b>Full Name:</b> zyxin	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:20-1:200 IF 1:20-1:200
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 80 kDa	
<b>Immunogen Catalog Number:</b> AG0419	<b>Observed MW:</b> 78 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, A431 cells, MCF-7 cells
<b>Cited Applications:</b> IF, WB	<b>IHC :</b> human kidney tissue, human breast cancer tissue, human cervical cancer tissue, human placenta tissue, human testis tissue
<b>Species Specificity:</b> human, mouse	<b>IF :</b> HeLa cells,
<b>Cited Species:</b> human	

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## 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
Chengmei Huang	34583750	J Exp Clin Cancer Res	IF
Xianhui Li	28916983	J Mater Sci Mater Med	WB
Shu-Qing Huang	35237878	Aesthetic Plast Surg	WB

## Storage

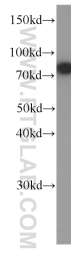
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

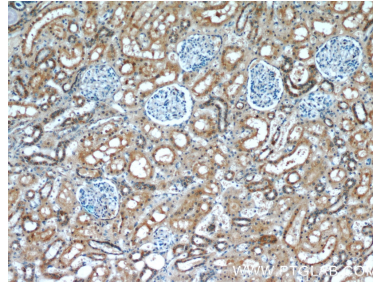
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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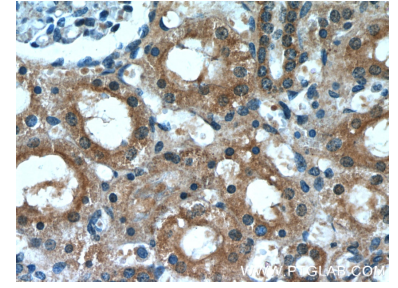
## Selected Validation Data



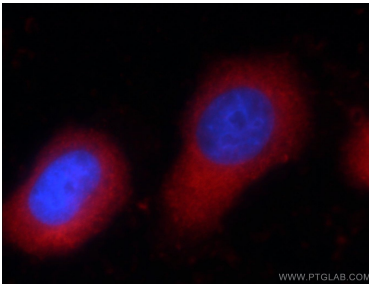
HeLa cells were subjected to SDS PAGE followed by western blot with 60254-1-Ig (Zyxin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney slide using 60254-1-Ig (Zyxin antibody at dilution of 1:50.



Immunohistochemical analysis of paraffin-embedded human kidney slide using 60254-1-Ig (Zyxin antibody at dilution of 1:50.



Immunofluorescent analysis of HeLa cells using 60254-1-Ig (Zyxin antibody) at dilution of 1:50 and Rhodamine-Goat anti-Mouse IgG.