For Research Use Only

Zyxin Monoclonal antibody

Catalog Number:60254-1-Ig 5 Publications

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Basic Information

Catalog Number:
60254-1-Ig

Size:
150ul , Concentration: 1986 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;

Source:
Mouse

Isotype:
IgG1

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:
Protein G purification

CloneNo.:
4D7E7

Recommended Dilutions:
WB 1:500-1:2000
IHC 1:20-1:200
IF/ICC 1:20-1:200

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Cited Applications:
WB, IF

Species Specificity:
human, mouse

Cited Species:
human

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

Positive Controls:

WB : HeLa cells, A431 cells, MCF-7 cells

IHC : human kidney tissue, human breast cancer tissue, human cervical cancer tissue, human placenta tissue, human testis tissue

IF/ICC : HeLa 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
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

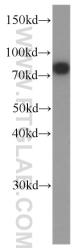
Storage

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

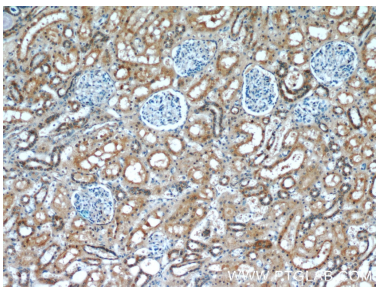
***** 20ul sizes contain 0.1% BSA**

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

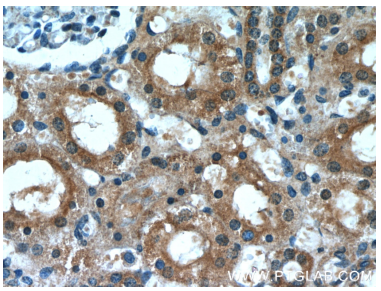
Selected Validation Data



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.



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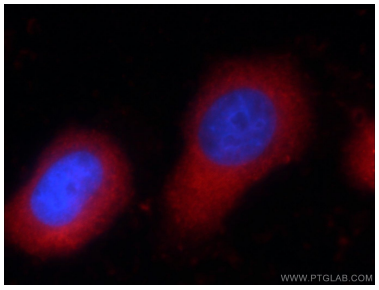

Immunofluorescent analysis of HeLa cells using 60254-1-Ig (Zyxin antibody) at dilution of 1:50 and Rhodamine-Goat anti-Mouse IgG.