

For Research Use Only

Zyxin Monoclonal antibody

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



Basic Information

Catalog Number: 60254-1-Ig	GenBank Accession Number: BC008743	Purification Method: Protein G purification
Concentration: 1986 ug/ml	GeneID (NCBI): 7791	CloneNo.: 4D7E7
Source: Mouse	UNIPROT ID: Q15942	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200 IF/ICC 1:20-1:200
Isotype: IgG1	Full Name: zyxin	
Immunogen Catalog Number: AG0419	Calculated MW: 80 kDa Observed MW: 78 kDa	

Applications

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

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 (ZYN) 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

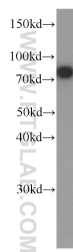
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

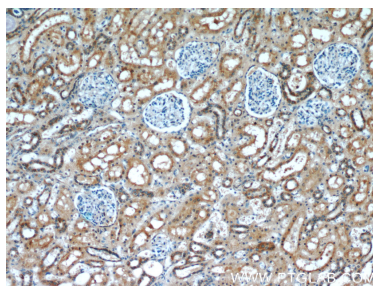
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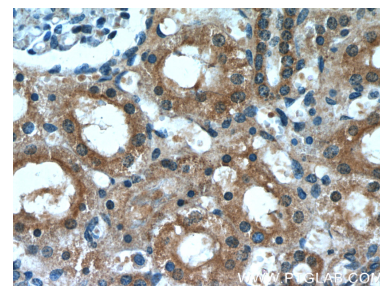
Selected Validation Data



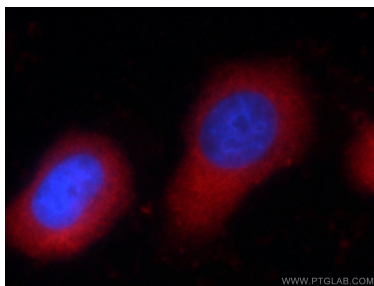
HeLa cells were subjected to SDS PAGE followed by western blot with 60254-1-Ig (Zyxin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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.