

Zyxin Rabbit mAb

Catalog No: #49705



Package Size: #49705-1 50ul #49705-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

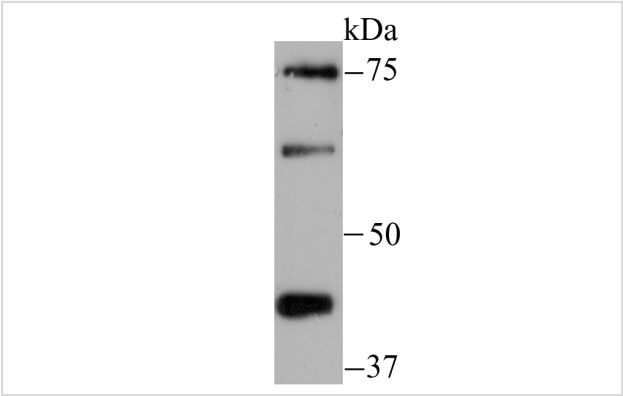
Description

Product Name	Zyxin Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JU83-12
Purification	ProA affinity purified
Applications	WB,ICC/IF,IHC,FC,IP
Species Reactivity	Hu, Ms
Immunogen Description	Recombinant protein
Other Names	ESP 2 antibody ESP2 antibody HED 2 antibody HED2 antibody ZYX antibody ZYX protein antibody Zyxin 2 antibody Zyxin2 antibody
Accession No.	Swiss-Prot#:Q15942
Uniprot	Q15942
GeneID	7791;
Calculated MW	75/61/45 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

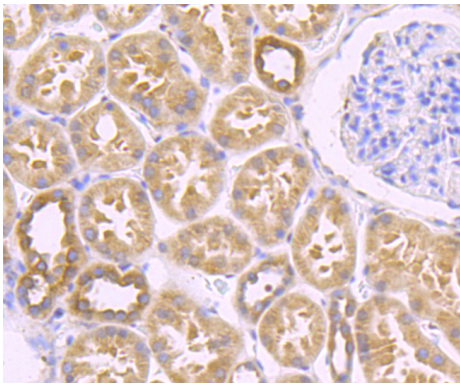
Application Details

WB: 1:500-1:1,000IHC: 1:50-1:200ICC: 1:50-1:200FC: 1:50-1:100

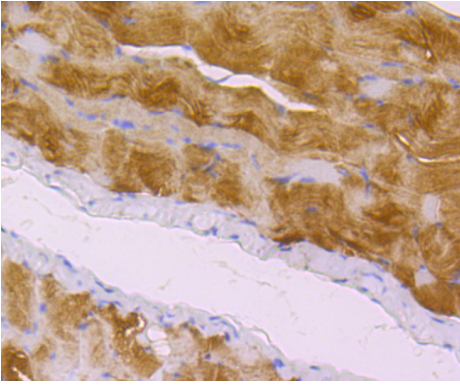
Images



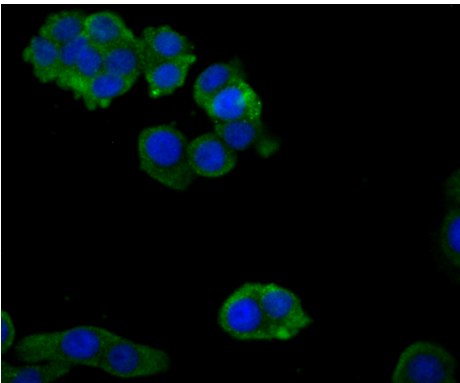
Western blot analysis of Zyxin on MCF-7 cell using anti-Zyxin antibody at 1/500 dilution.



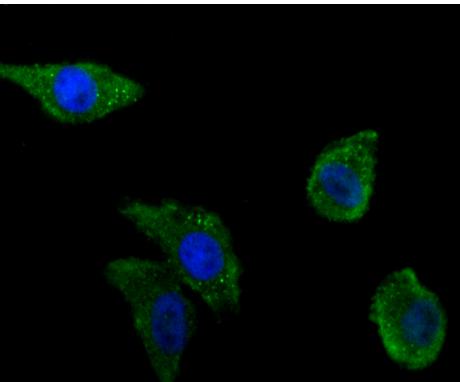
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-Zyxin antibody. Counter stained with hematoxylin.



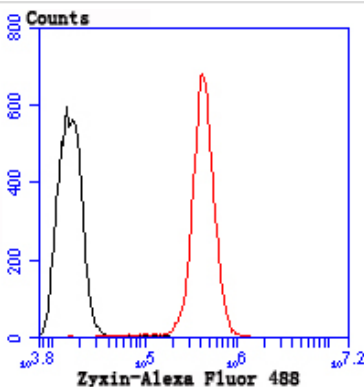
Immunohistochemical analysis of paraffin-embedded mouse smooth muscle tissue using anti-Zyxin antibody. Counter stained with hematoxylin.



ICC staining Zyxin in LOVO cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Zyxin in PC-3M cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of Hela cells with Zyxin antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

Zyxin is a low abundance phosphoprotein localized to focal adhesion plaques and is thought to perform regulatory functions at these regions. The protein contains a number of proline-rich sequences as well as three LIM domains, zinc finger domains involved in protein binding. Zyxin interacts with several other proteins at cell adhesion sites, including members of the CRP (cysteine-rich protein) LIM domain containing protein family. The proline-rich domain of Zyxin associates with an SH3 domain of p95 Vav, but not with similar SH3 domains containing proteins such as GRB2 or PLCg. Zyxin has also been shown to interact with the focal adhesion protein VASP and may assist in the targeting of VASP to focal adhesions, microfilaments and membrane regions of high dynamic activity.

References

Note: This product is for in vitro research use only