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ZYX Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant ZYX.
Catalog # AT4653a

Specification

ZYX Antibody (monoclonal) (M01) - Product Information

Application	**IF, IP, WB, E**
Primary Accession	Q15942
Other Accession	BC008743
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 kappa**
Calculated MW	**61277**

ZYX Antibody (monoclonal) (M01) - Additional Information

Gene ID 7791

Other Names
Zyxin, Zyxin-2, ZYX

Target/Specificity
ZYX (AAH08743, 1 a.a. ~ 572 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
ZYX Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

ZYX Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

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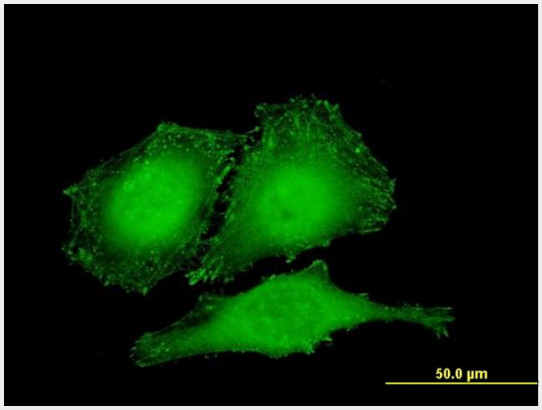
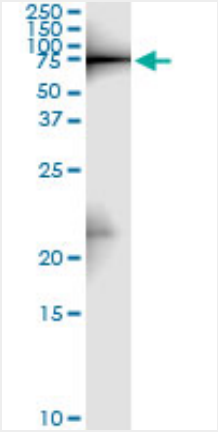
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

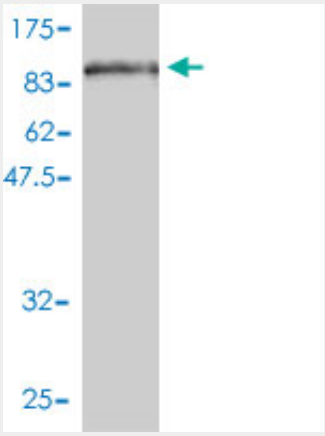
ZYX Antibody (monoclonal) (M01) - Images



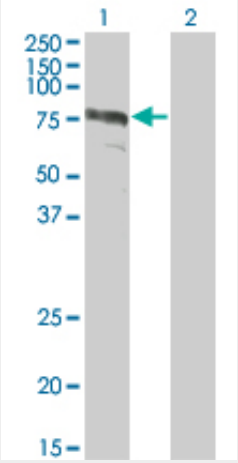
Immunofluorescence of monoclonal antibody to ZYX on HeLa cell . [antibody concentration 10 ug/ml]



Immunoprecipitation of ZYX transfected lysate using anti-ZYX monoclonal antibody and Protein A Magnetic Bead (U0007), and immunoblotted with ZYX MaxPab rabbit polyclonal antibody.

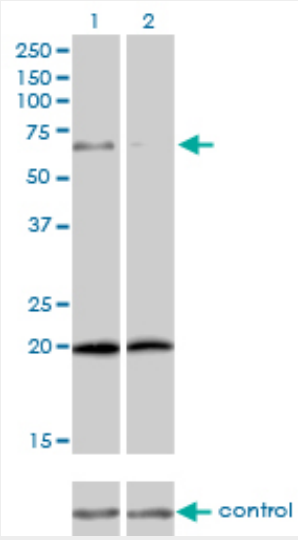


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (88.66 KDa) .

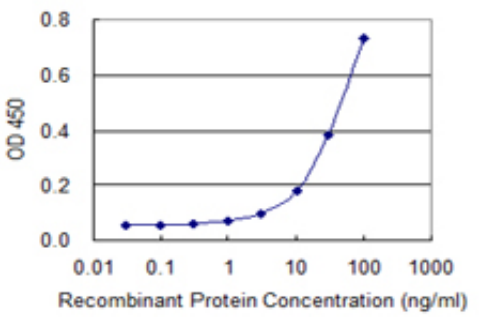


Western Blot analysis of ZYX expression in transfected 293T cell line by ZYX monoclonal antibody (M01), clone 2C10-4A7.

Lane 1: ZYX transfected lysate(61.3 KDa).
Lane 2: Non-transfected lysate.



Western blot analysis of ZYX over-expressed 293 cell line, cotransfected with ZYX Validated Chimera RNAi ((Cat # AT4653a)



Detection limit for recombinant GST tagged ZYX is 1 ng/ml as a capture antibody.

ZYX Antibody (monoclonal) (M01) - Background

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 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. Alternative splicing results in multiple transcript variants that encode the same isoform.

ZYX Antibody (monoclonal) (M01) - References

1.Mechanical forces facilitate actin polymerization at focal adhesions in a zyxin-dependent manner.Hirata H, Tatsumi H, Sokabe M.J Cell Sci. 2008 Sep 1;121(Pt 17):2795-804. Epub 2008 Aug 5.