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ZYX Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a full length recombinant ZYX.
Catalog # AT4654a

Product Information

Application	WB, IHC, E
Primary Accession	Q15942
Other Accession	BC008743
Reactivity	Human, Mouse
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2D1
Calculated MW	61277

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 IHC~~1:100~500 E~~N/A
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) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

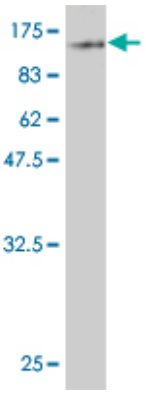
Background

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.

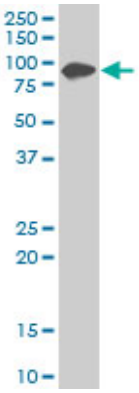
References

1.Zyxin is a TGF-?]/Smad3 target gene that regulates lung cancer cell motility via integrin ?5?]1.Mise N, Savai R, Yu H, Schwarz J, Kaminski N, Eickelberg O.J Biol Chem. 2012 Jul 9.

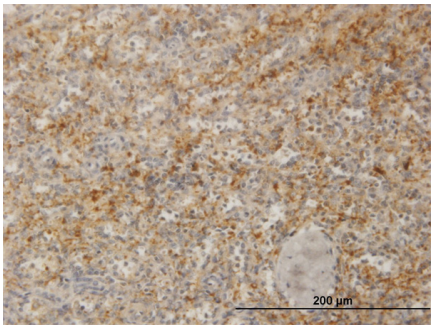
Images



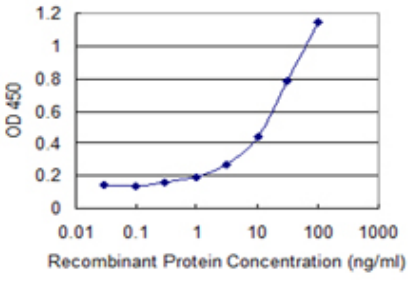
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (88.66 KDa) .



ZYX monoclonal antibody (M02), clone 2D1 Western Blot analysis of ZYX expression in NIH/3T3 ((Cat # AT4654a)



Immunoperoxidase of monoclonal antibody to ZYX on formalin-fixed paraffin-embedded human spleen. [antibody concentration 1.5 ug/ml]



Detection limit for recombinant GST tagged ZYX is 0.3 ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.