

ZYX Antibody (monoclonal) (M02)

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

Specification

ZYX Antibody (monoclonal) (M02) - Product Information

WB, IHC, E Application **Primary Accession** 015942 BC008743 Other Accession Human, Mouse Reactivity Host mouse Clonality Monoclonal Isotype IgG2a Kappa Calculated MW 61277

ZYX Antibody (monoclonal) (M02) - 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.

ZYX Antibody (monoclonal) (M02) - Protocols

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

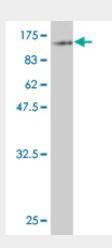
- Western Blot
- Blocking Peptides



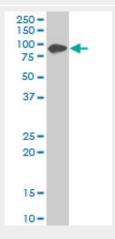
• Dot Blot

- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

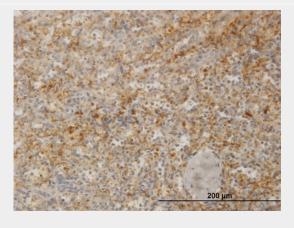
ZYX Antibody (monoclonal) (M02) - Images



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

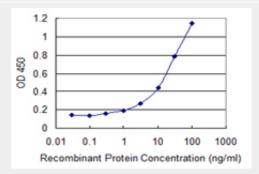


ZYX monoclonal antibody (M02), clone 2D1 Western Blot analysis of ZYX expression in NIH/3T3 ((Cat # AT4654a)





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.

ZYX Antibody (monoclonal) (M02) - 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) (M02) - 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.