

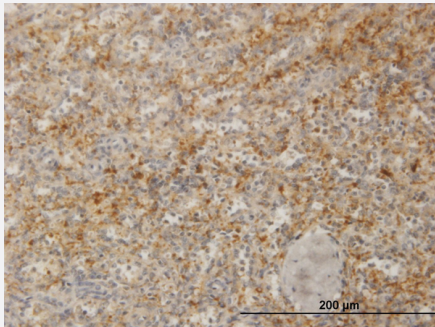
CX Grade

ZYX monoclonal antibody (M02J), clone 2D1

Catalog # H00007791-M02J

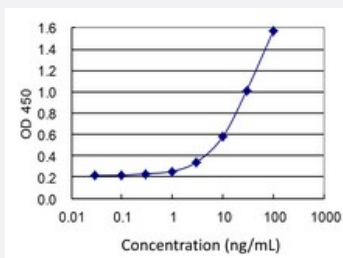
Size 100 ug

Applications



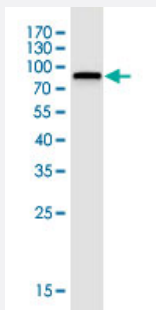
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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



Sandwich ELISA (Recombinant protein)

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



Western Blot detection against Immunogen (88.55 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant ZYX. This product is belong to Cell Culture Grade Antibody (CX Grade).

Immunogen	ZYX (AAH08743.1, 1 a.a. ~ 572 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAAPRPSPAISVSVSAPAFYAPQEKFPGPVVAPKPKVNPFRPGDSEPPPPAPGAQRAQMGRVGEI PPPPPEDFPLPPPPLAGDGDDAEGALGGAFFFFPPPIEESFPPAPLEEEIFSPPPPPPEEEGGP EAIPIPPPPQPREKVSSIDLEIDSLSSLLDDMTKNDPFFKARVSSGYVPPPVATPFSSKSSTKPAAG GTAPLPPWKSPSSSQPLQVPAPAQSQTQFHVQPQPQPKQVQLHVQSQTQPVSLANTQPRG PPASSPAPAPKFSPVTPKFTPVASKFSPGAPGGSGSQPNQKLGHPEALSAGTGSPQPPSFTYA QQREKPRVQEKQHPVPPPAQNQNQVRSPGAPGPLTLKEVEELEQLTQQLMQDMEHPQRQNVA VNELCGRCHQPLARAQPAVRALGQLFHACFTCHQCAQQLQGQQFYSLGAPYCEGCYDTLEK CNTCGEPITDRMLRATGKAYHPHCFTCVVCARPLEGTSFVMDQANRPHCVDPDYHKQYAPRCSVC SEPIMPEPGRDETVRVVALDKNFHMKCYECEDCGKPLSIEADDNGCFPLDGHVLCRKCHTARA QT
Host	Mouse
Reactivity	Human, Mouse
Interspecies Antigen Sequence	Mouse (86); Rat (85)
Preparation Method	Cell Culture Production
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (88.55 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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[Protocol Download](#)

- ELISA

Gene Info — ZYX

Entrez GeneID [7791](#)

GeneBank Accession# [BC008743.2](#)

Protein Accession# [AAH08743.1](#)

Gene Name ZYX

Gene Alias ESP-2, HED-2

Gene Description zyxin

Omim ID [602002](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations -

Pathway

- [Focal adhesion](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)