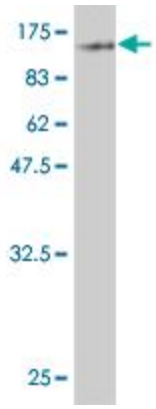
ZYX monoclonal antibody (M02), clone 2D1

ENZ-007791-M02

Specification

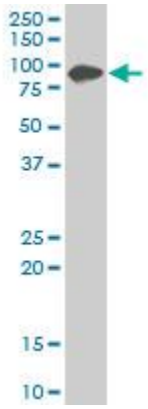
Product Description:	Mouse monoclonal antibody raised against a full length recombinant ZYX.
Immunogen:	ZYX (AAH08743, 1 a.a. ~ 573 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Immunogen Sequence (without GST):	MAAPRPSPAISVSVSAPAFYAPQKKFGPVVAPKPKVNPFRPGDSEPPPAP GAQRAQMGRVGEIPPPPPEDFPLPPPPLAGDGDDAEGALGGAFPPPPPPI EESFPPAPLEEEIFPSPPPPPEEEGGPEAPIPPPPQPREKVSSIDLEIDS LSSLLDDMTKNDPFKARVSSGYVPPPVATPFSSKSSTKPAAGGTAPLPPW KSPSSSQPLPQVPAPAQSQTQFHVQPQPQPKPQVQLHVQSQTQPVSLANT QPRGP
Cross Reactivity:	Human, Mouse
Isotype:	IgG2a Kappa
Storage Buffer:	In 1x PBS, pH 7.2
Storage Instruction:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Quality Control Testing:	Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (89.03 KDa) .

Applications

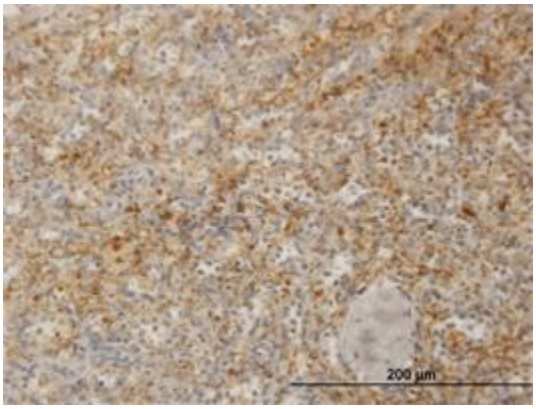
Western Blot (Cell lysate)



ZYX monoclonal antibody (M02), clone 2D1 Western Blot analysis of ZYX expression in NIH/3T3 (Cat # L018V1).

Western Blot (Recombinant protein)

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]

ELISA

Gene Information

Entrez GeneID:	7791
GeneBank Accession#:	BC008743
Protein Accession#:	AAH08743
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.