

## ZYX antibody

Catalog No: #38377

Package Size: #38377-1 50ul #38377-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

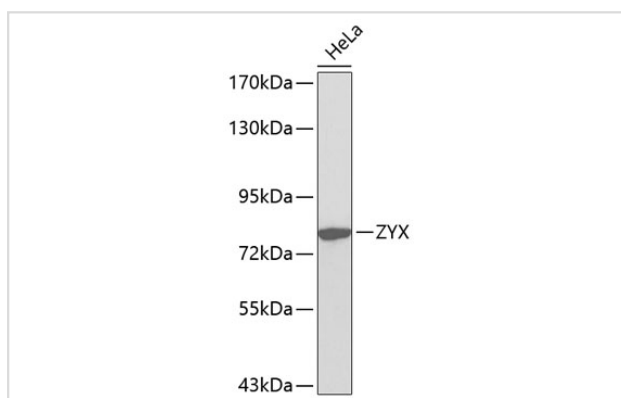
## Description

Product Name	ZYX antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total ZYX protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human ZYX.
Target Name	ZYX
Other Names	Zyxin; ESP-2; HED-2;
Accession No.	Swiss-Prot#: Q15942NCBI Gene ID: 7791
SDS-PAGE MW	80kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

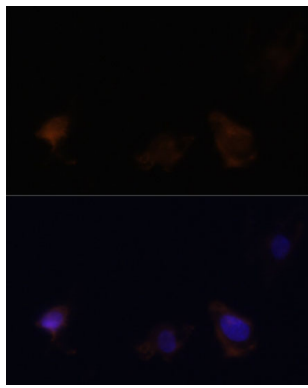
## Application Details

WB □ 1:500 - 1:2000 IHC □ 1:50 - 1:200 IF □ 1:50 - 1:200

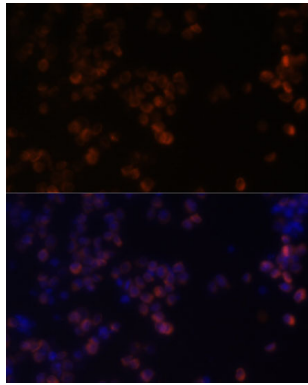
## Images



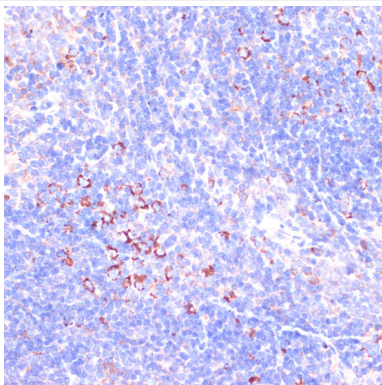
Western blot analysis of extracts of HeLa cells, using ZYX antibody.



Immunofluorescence analysis of C6 cells using ZYX antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of Raw264.7 cells using ZYX antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunohistochemistry of paraffin-embedded mouse spleen using ZYX antibody at dilution of 1:100 (40x lens).

## Background

The zyxin family of proteins includes LIMD1, ajuba, trip6 and zyxin, each of which contains three LIM domains at the carboxy-terminus. Zyxin family members associate with the actin cytoskeleton and are components of both the cell-cell junction adhesive complex and the integrin-mediated adhesive complex. They shuttle in and out of the nucleus where they may function in transcriptional activation (1). Zyxin is involved in the regulation of mechanical force-induced actin polymerization at focal adhesions (2), and in regulation of adhesion and migration, possibly through recruitment of Ena/VASP proteins to focal adhesions (3). Zyxin interacts with and may regulate the function of the tumor suppressor myopodin, which inhibits tumor growth and metastasis (4).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.