

**Anti-Zyxin Monoclonal Antibody**  
**Catalog # ABO14693****Specification**

---

**Anti-Zyxin Monoclonal Antibody - Product Information**

|                   |                          |
|-------------------|--------------------------|
| Application       | WB, IHC, IF, ICC, IP, FC |
| Primary Accession | <a href="#">Q15942</a>   |
| Host              | Rabbit                   |
| Isotype           | Rabbit IgG               |
| Reactivity        | Rat, Human, Mouse        |
| Clonality         | Monoclonal               |
| Format            | Liquid                   |

**Description**

Anti-Zyxin Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

**Anti-Zyxin Monoclonal Antibody - Additional Information**

**Gene ID** 7791

**Other Names**

Zyxin, Zyxin-2, ZYX

**Application Details**

WB 1:1000-1:5000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>IP 1:50<br>FC 1:500

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human Zyxin.

**Purification**

Affinity-chromatography

**Storage**

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

**Anti-Zyxin Monoclonal Antibody - Protein Information**

**Name** ZYX

**Function**

Adhesion plaque protein. Binds alpha-actinin and the CRP protein. Important for targeting TES and ENA/VASP family members to focal adhesions and for the formation of actin-rich structures. May

be a component of a signal transduction pathway that mediates adhesion- stimulated changes in gene expression (By similarity).

#### Cellular Location

Cytoplasm. Cytoplasm, cytoskeleton. Nucleus. Cell junction, focal adhesion. Note=Associates with the actin cytoskeleton near the adhesion plaques. Enters the nucleus in the presence of HESX1

### Anti-Zyxin Monoclonal Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Anti-Zyxin Monoclonal Antibody - Images

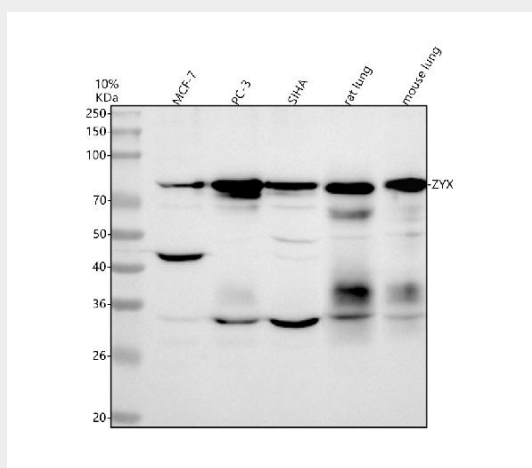


Figure 1. Western blot analysis of Zyxin using anti-Zyxin antibody (M02365).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human MCF-7 whole cell lysates,

Lane 2: human PC-3 whole cell lysates,

Lane 3: human SIHA whole cell lysates,

Lane 4: rat lung tissue lysates,

Lane 5: mouse lung tissue lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Zyxin antigen affinity purified monoclonal antibody (Catalog # M02365) at 1:1000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for Zyxin at approximately 78

kDa. The expected band size for Zyxin is at 61 kDa.