

## Anti-Zyxin Antibody (5W666)

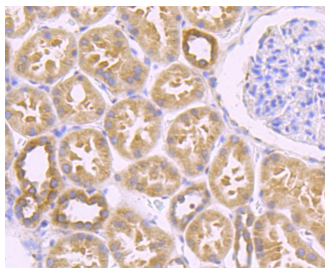
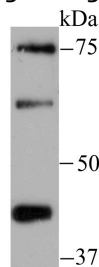
### Product Details

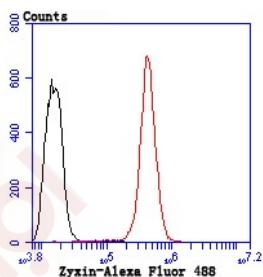
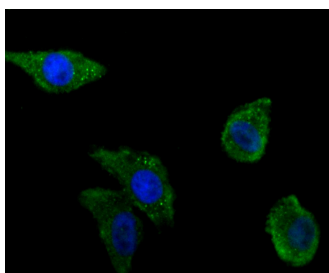
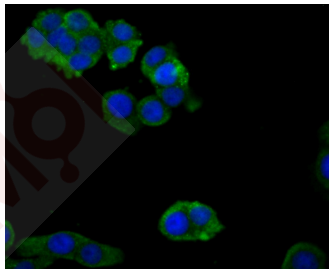
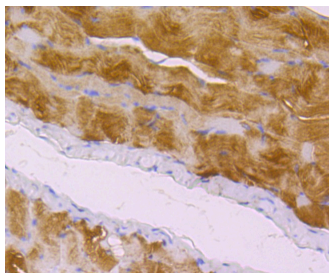
Ig Type:	IgG
Reactivity:	Human,Mouse
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 75/61/45 kDa.
Clone:	5W666
Purification:	ProA affinity purified

### Applications

#### Verified Activity:

1. Western blot analysis of Zyxin on MCF-7 cell using anti-Zyxin antibody at 1/500 dilution.
2. Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-Zyxin antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded mouse smooth muscle tissue using anti-Zyxin antibody. Counter stained with hematoxylin.
4. ICC staining Zyxin in LOVO cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
5. ICC staining Zyxin in PC-3M cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
6. Flow cytometric analysis of Hela cells with Zyxin antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.





Application: FCM, ICC/IF, IHC, IP, WB

Recommended WB: 1:500-1000; IHC: 1:50-200; ICC/IF: 1:50-200; FCM: 1:50-100

### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: Q15942

Synonyms: ZYX; Zyxin-2; Zyxin

### Research Background

Zyxin is a low abundance phosphoprotein localized to focal adhesion plaques and is thought to perform regulatory functions at these regions. The protein contains a number of proline-rich sequences as well as three LIM domains, zinc finger domains involved in protein binding. Zyxin interacts with several other proteins at cell adhesion sites, including members of the CRP (cysteine-rich protein) LIM domain containing protein family. The proline-rich domain of Zyxin associates with an SH3 domain of p95 Vav, but not with similar SH3 domains containing proteins such as

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GRB2 or PLCg. Zyxin has also been shown to interact with the focal adhesion protein VASP and may assist in the targeting of VASP to focal adhesions, microfilaments and membrane regions of high dynamic activity.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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