

## Zyxin Polyclonal Antibody

Catalog number: 10330-1-AP

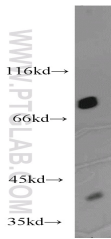
Size: 20 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

ZYX; ESP 2, HED 2, ZYX, zyxin,  
Zyxin 2



HeLa cells were subjected to SDS PAGE followed by western blot with 10330-1-AP(ZYX antibody) at dilution of 1:1000

### Background

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 (ZYX) 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.

### Applications

|                         |                                  |
|-------------------------|----------------------------------|
| Tested applications:    | ELISA, WB                        |
| Cited applications:     | IF, WB                           |
| Species specificity:    | Human; other species not tested. |
| Cited species:          | Mouse                            |
| Calculated Zyxin MW:    | 80kd                             |
| Observed Zyxin MW:      | 78kd                             |
| Positive WB detected in | HeLa cells, MCF7 cells           |
| Recommended dilution:   | WB: 1:400 - 1:1600               |

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

|                           |          |
|---------------------------|----------|
| Immunogen:                | Ag0419   |
| GenBank accession number: | BC008743 |
| Gene ID (NCBI):           | 7791     |
| Full name:                | Zyxin    |

### Product information

|                      |   |
|----------------------|---|
| Purification method: | Antigen affinity purification                                       |
| Storage:             | PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C. |