# 斑联蛋白抗体

**产品货号：** mlR1937

**英文名称：** Zyxin

**中文名称：** 斑联蛋白抗体

**别　　名：** ESP 2; ESP2; HED 2; HED2; ZYX; ZYX protein; Zyxin 2; Zyxin2; Zyxin-2; ZYX_HUMAN.

**研究领域：** 染色质和核信号　神经生物学　信号转导　转录调节因子

**抗体来源：** Rabbit

**克隆类型：** Polyclonal

**交叉反应：** Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Horse, Rabbit,

**产品应用：** ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:100-500 （石蜡切片需做抗原修复）
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

**分 子 量：** 61kDa

**细胞定位：** 细胞核 细胞浆 细胞膜

**性　　状：** Lyophilized or Liquid

**浓　　度：** 1mg/ml

**免 疫 原：** KLH conjugated synthetic peptide derived from human Zyxin:401-500/572

**亚　　型：** IgG

**纯化方法：** affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

**PubMed：** PubMed

产品介绍： 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. [provided by RefSeq, Jul 2008].

**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.

**Subunit:**

Interacts with HPV type 6 protein E6. Does not interact significantly with E6 proteins from HPV types 11, 16, or 18. Interacts, via the Pro-rich regions, with the EVH1 domains of ENAH, EVL and VASP. Interacts with the first LIM domain of TES.

**Subcellular 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.

**Similarity:**

Belongs to the zyxin/ajuba family.

Contains 3 LIM zinc-binding domains.

**SWISS:**

Q15942

**Gene ID:**

7791

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

斑联蛋白(Zyxin)与细胞附着及信号转导相关,是肌动蛋白丝装配的调节物，在结构和功能上将细胞外配体与细胞骨架连接。