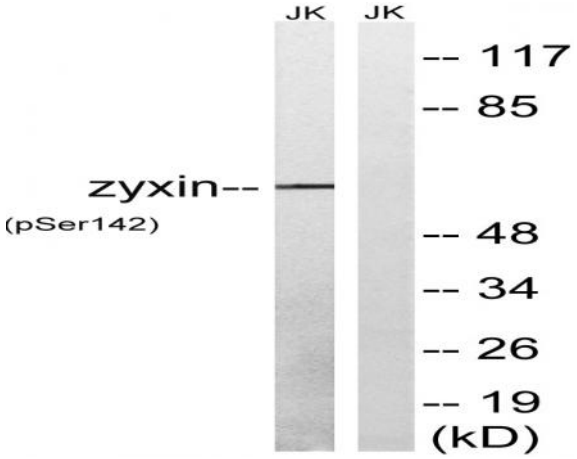
Best Tools for immunology Research

Zyxin (phospho Ser142) Polyclonal Antibody

Catalog No :	YP0481
Reactivity :	Human;Rat;Mouse;
Applications :	WB;ELISA
Target :	Zyxin
Fields :	>>Focal adhesion
Gene Name :	ZYX
Protein Name :	Zyxin
Human Gene Id :	7791
Human Swiss Prot No :	Q15942
Mouse Swiss Prot No :	Q62523
Immunogen :	The antiserum was produced against synthesized peptide derived from human Zyxin around the phosphorylation site of Ser142. AA range:108-157
Specificity :	Phospho-Zyxin (S142) Polyclonal Antibody detects endogenous levels of Zyxin protein only when phosphorylated at S142.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:5000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band :	61kD
Cell Pathway :	Focal adhesion;
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 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 :	function:Adhesion plaque protein. Binds alpha-actinin and the CRP protein. May be a component of a signal transduction pathway that mediates adhesion-stimulated changes in gene expression.,similarity:Belongs to the zyxin/ajuba family.,similarity:Contains 3 LIM zinc-binding domains.,subcellular location:Associates with the actin cytoskeleton near the adhesion plaques. Enters the nucleus in the presence of HESX1.,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 and VASP. Interaction with ENA/VASP family members is important for their targeting to focal adhesions and the formation of actin-rich structures.,
Subcellular Location :	Cytoplasm. Cytoplasm, cytoskeleton. Nucleus. Cell junction, focal adhesion. Associates with the actin cytoskeleton near the adhesion plaques. Enters the nucleus in the presence of HESX1.
Expression :	Cervix carcinoma,Epididymis,Epithelium,Kidney,Placenta,Platelet,Skin,Umbilical vein,Uterus,
Tag :	orthogonal
Sort :	24802
No2 :	8467S
No4 :	1

Products Images



Western blot analysis of lysates from Jurkat cells treated with paclitaxel 1uM 24h, using Zyxin (Phospho-Ser142) Antibody. The lane on the right is blocked with the phospho peptide.