

Recombinant Anti-Zyxin Rabbit mAb

Catalog # AP95239

Product Information

Application	WB, IHC, FC, IP, IF/IC
Primary Accession	Q15942
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Monoclonal
Calculated MW	61277

Additional Information

Gene ID	7791
Other Names	Zyxin; Zyxin-2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human Zyxin protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~1:10~50 IP~~N/A IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

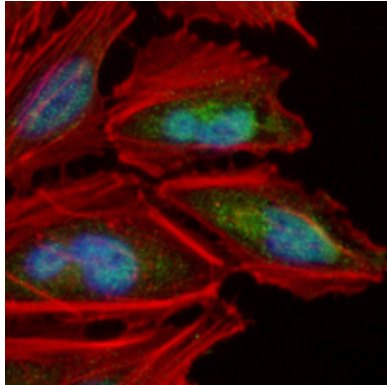
Name	ZYX
Function	Adhesion plaque protein. Binds alpha-actinin and the CRP protein. Important for targeting TES and ENA/VASP family members to focal adhesions and for the formation of actin-rich structures. May be a component of a signal transduction pathway that mediates adhesion- stimulated changes 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

Images

Western blot analysis of Zyxin expression in MCF7 (A)
whole cell lysates. (Predicted band size: 61 kD; Observed



band size: 78 kD)



Immunofluorescent analysis of Zyxin staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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