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ZYX Rabbit mAb

Catalog # AP76277

Product Information

Application	WB, IHC-P, IHC-F, FC, IP
Primary Accession	Q15942
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	61277

Additional Information

Gene ID	7791
Other Names	ZYX
Dilution	WB~~1:1000-1:5000 IHC-P~~N/A IHC-F~~N/A FC~~1:50-1:100 IP~~1:20-1:50
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

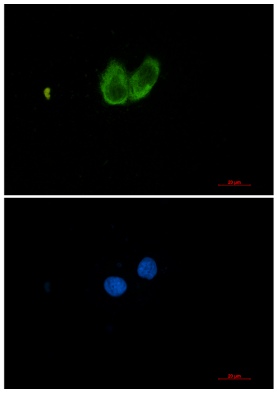
Name	ZYX
Function	Adhesion plaque protein. Binds alpha-actinin and the CRP protein. Important for targeting TES and ENA/VASP family members to focal adhesions and for the formation of actin-rich structures. May be a component of a signal transduction pathway that mediates adhesion- stimulated changes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

Background

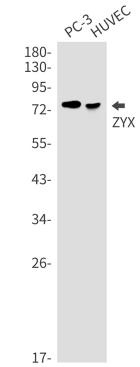
Zyxin binds alpha-actinin and the CRP proteins and is implicated in the regulation and modulation of actin

filaments organization, cell adhesion, cell motility, mitosis, and signal transduction. Zyxin may shuttle between focal adhesion plaques and the nucleus. It has been suggested that zyxin is involved in gene transcription by its association with transcription factors in the nucleus.

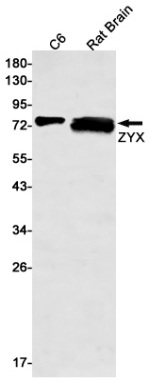
Images



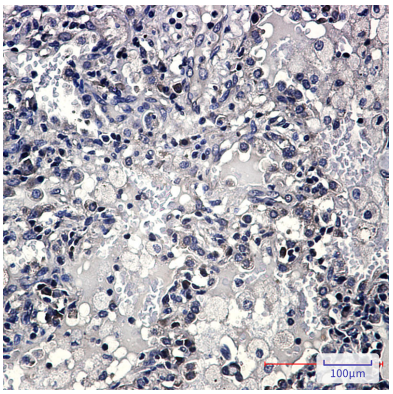
Immunocytochemistry analysis of ZYX (green) in Hela using ZYX antibody,and DAPI(blue).



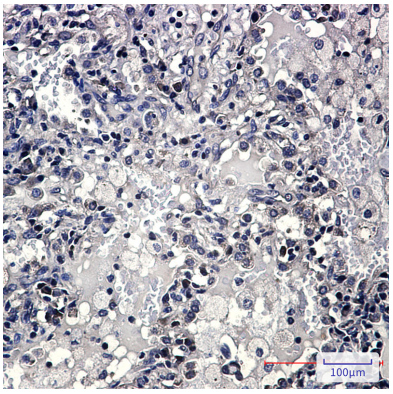
Western blot analysis of ZYX in PC-3, HUVEC lysates using ZYX antibody.



Western blot analysis of ZYX in C6, rat Brain lysates using ZYX antibody



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using Zyxin antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



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