ZYX Antibody

Catalog No: #43893

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Description

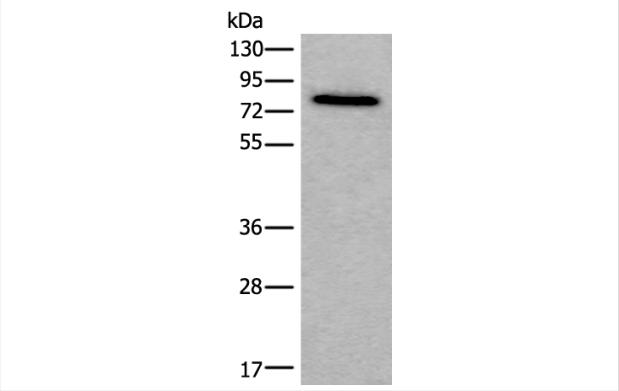
Product Name	ZYX Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	IHC WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total ZYX protein.
Immunogen Type	protein
Immunogen Description	Fusion protein of human ZYX
Target Name	ZYX
Other Names	ESP-2; HED-2
Accession No.	Swiss-Prot#: Q15942NCBI Gene ID: 7791
Uniprot	Q15942
GeneID	7791;
Calculated MW	61kd
Concentration	0.7mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

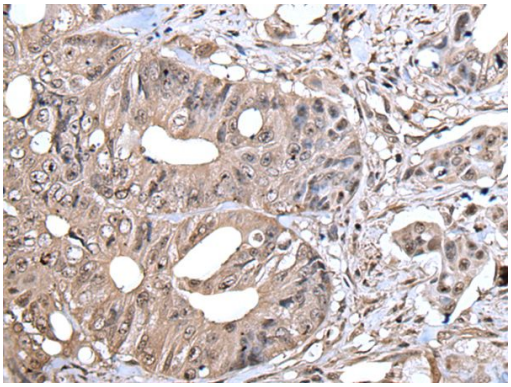
Western blotting: 1:200-1000

Immunohistochemistry: 1: 20-100

Images



Gel: 6%SDS-PAGE
Lysate: 40 µg, Lane: 293T cell lysate,
Primary antibody:ZYX antibody at dilution 1/250,
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution,
Exposure time: 10 seconds



The image on the left is immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using ZYX Antibody at dilution 1/30, on the right is treated with fusion protein. (Original magnification: x200)

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.

Note: This product is for in vitro research use only