



Paxillin (Phospho Tyr118) Rabbit mAb

Catalog No	YP-rAb-18468
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IF,ELISA
Gene Name	PXN
Protein Name	Paxillin
Purification Process	Protein A
Specificity	This antibody detects endogenous levels of Paxillin only when phosphorylated at Tyr118.This antibody does not recognize phosphorylated at other sites.
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000;
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	PXN ; Paxillin
Observed Band	65kD
Calculated Molecular Weight	65kD
Cell Pathway	Cytoplasm, Nucleus
Tissue Specificity	Brain,Epithelium,Lung,Placenta,T-cell,Uterus,
Function	Cytoskeletal protein involved in actin-membrane attachment at sites of cell adhesion to the extracellular matrix (focal adhesion).,PTM:Phosphorylated on tyrosine residues during integrin-mediated cell adhesion, embryonic development, fibroblast transformation and following stimulation of cells by mitogens.,similarity:Belongs to the paxillin family.,similarity:Contains 3 LIM zinc-binding domains.,similarity:Contains 4 LIM zinc-binding domains.,subunit:Binds in vitro to vinculin as well as to the SH3 domain of c-SRC and, when tyrosine phosphorylated, to the SH2 domain of V-CRK. Isoform beta binds to focal adhesion kinase but weakly to vinculin. Isoform gamma binds to vinculin but only weakly to focal adhesion kinase. Interacts with GIT1, NUDT16L1/SDOS, PARVA and TGFB1I1. Component of cytoplasmic complexes, which also contain GIT1, ARHGEF6 and PAK1 (By similarity). Binds ASAP2. Interacts with unphosphorylated ITGA4. Interacts with RNF5.,





Background

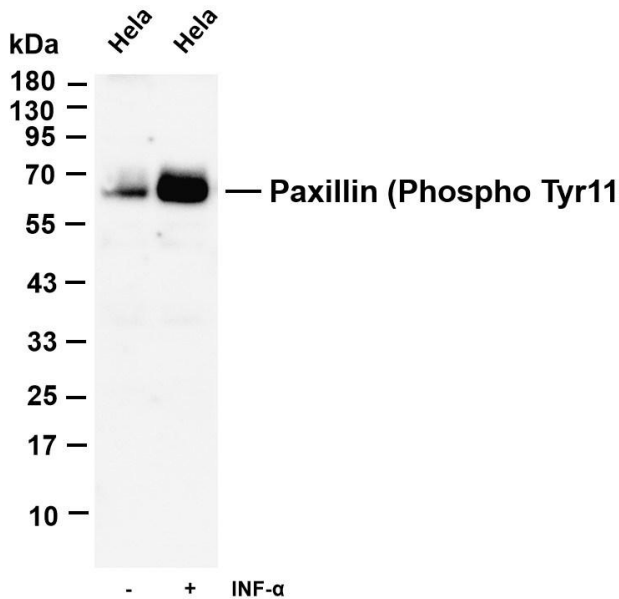
This gene encodes a cytoskeletal protein involved in actin-membrane attachment at sites of cell adhesion to the extracellular matrix (focal adhesion). Alternatively spliced transcript variants encoding different isoforms have been described for this gene. These isoforms exhibit different expression pattern, and have different biochemical, as well as physiological properties (PMID:9054445). [provided by RefSeq, Aug 2011],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Paxillin (Phospho Tyr118) antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: HeLa Serum starvation for 4 hou

