



Paxillin (phospho Tyr88) Polyclonal Antibody

Catalog No	YP-Ab-16884
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC;IF;ELISA
Gene Name	PXN
Immunogen	Synthesized phospho-peptide around the phosphorylation site of human Paxillin (phospho Tyr88)
Specificity	Phospho-Paxillin (Y88) Polyclonal Antibody detects endogenous levels of Paxillin protein only when phosphorylated at Y88.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/10000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	FLJ16691;FLJ2342;Paired box protein Pax 1;PAX 1;PAX1;PAXI_HUMAN; Paxillin alpha;Paxillin;PXN;PXN protein
Observed Band	68kD
Calculated Molecular Weight	68kD
Cell Pathway	Cytoplasm, cytoskeleton . Cell junction, focal adhesion . Cytoplasm, cell cortex . Colocalizes with integrins at the cell periphery. Colocalize with PXN to membrane ruffles and the leading edge of migrating cells (PubMed:23128389). .
Tissue Specificity	Brain,Epithelium,Lung,Placenta,T-cell,Uterus,
Function	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. Int

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

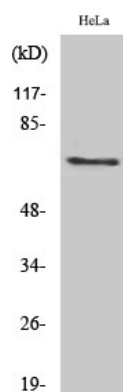
Avoid repeated freezing and thawing!

Usage suggestions

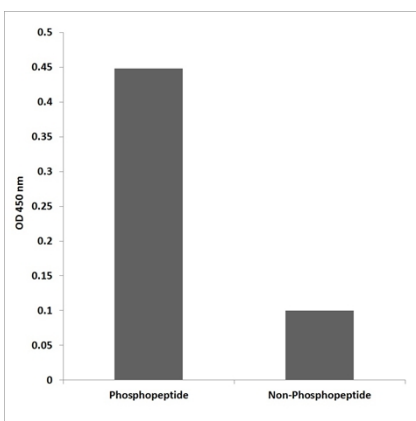
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



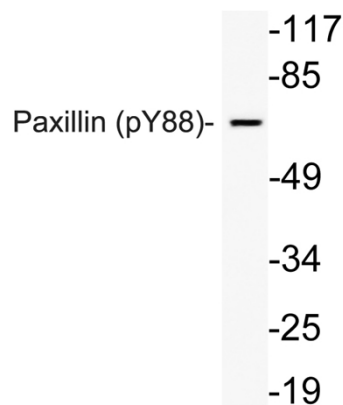
Products Images



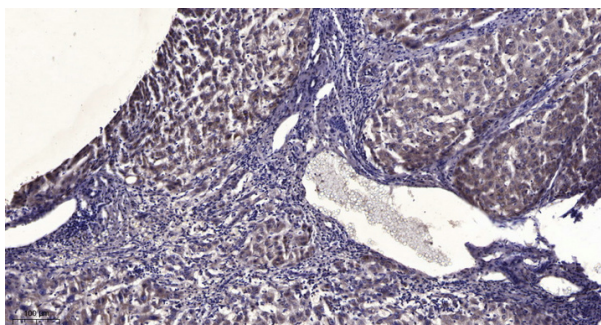
Western Blot analysis of various cells using
Phospho-Paxillin (Y88) Polyclonal Antibody



Enzyme-Linked Immunosorbent Assay
(Phospho-ELISA) for Immunogen Phosphopeptide
(Phospho-left) and Non-Phosphopeptide
(Phospho-right), using Paxillin (Phospho-Tyr88)
Antibody



Western blot analysis of lysate from HeLa cells using
phospho-Paxillin (Phospho-Tyr88) antibody.



Immunohistochemical analysis of paraffin-embedded
human liver cancer. 1, Antibody was diluted at 1:200(4°
overnight). 2, Tris-EDTA, pH9.0 was used for antigen
retrieval. 3, Secondary antibody was diluted at
1:200(room temperature, 45min).