



Paxillin (phospho Tyr118) Polyclonal Antibody

Catalog No	YP-Ab-16882
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	PXN
Protein Name	Paxillin
Immunogen	The antiserum was produced against synthesized peptide derived from human Paxillin around the phosphorylation site of Tyr118. AA range:85-134
Specificity	Phospho-Paxillin (Y118) Polyclonal Antibody detects endogenous levels of Paxillin protein only when phosphorylated at Y118.
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	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PXN; Paxillin
Observed Band	64kD
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],

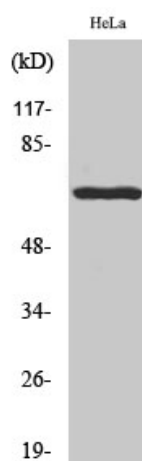
matters needing attention

Avoid repeated freezing and thawing!

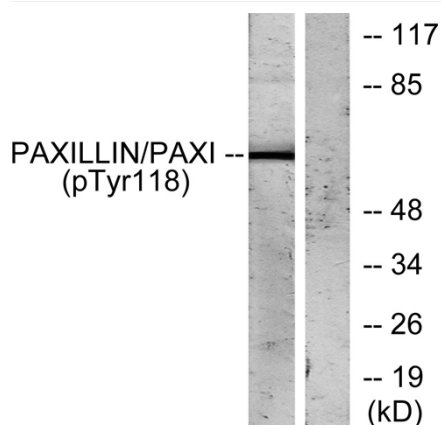
Usage suggestions

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 (Y118) Polyclonal Antibody



Western blot analysis of lysates from HeLa cells treated with EGF, using Paxillin (Phospho-Tyr118) Antibody. The lane on the right is blocked with the phospho peptide.