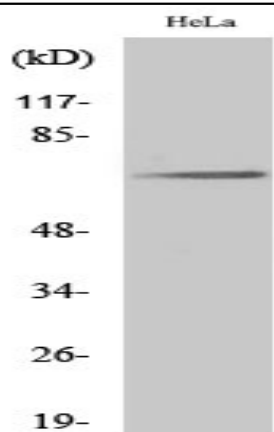# Immunoway
Best Tools for immunology Research

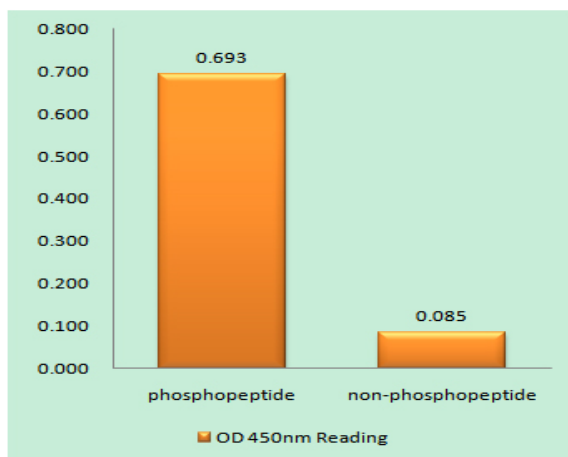## Paxillin (phospho Tyr31) Polyclonal Antibody

Catalog No : YP0220

Reactivity : Human;Mouse;Rat

Applications : WB;IHC;IF;ELISA

Target : Paxillin

Fields : >>Chemokine signaling pathway;>>VEGF signaling pathway;>>Focal adhesion;>>Leukocyte transendothelial migration;>>Regulation of actin cytoskeleton;>>Bacterial invasion of epithelial cells;>>Shigellosis;>>Yersinia infection;>>Human cytomegalovirus infection;>>Human papillomavirus infection;>>Human immunodeficiency virus 1 infection;>>Viral carcinogenesis;>>Proteoglycans in cancer

Gene Name : PXN

Protein Name : Paxillin

Human Gene Id : 5829

Human Swiss Prot No : P49023

Mouse Gene Id : 19303

Mouse Swiss Prot No : Q8VI36

Rat Gene Id : 360820

Rat Swiss Prot No : Q66H76

Immunogen : The antiserum was produced against synthesized peptide derived from human Paxillin around the phosphorylation site of Tyr31. AA range:15-64

Specificity : Phospho-Paxillin (Y31) Polyclonal Antibody detects endogenous levels of Paxillin protein only when phosphorylated at Y31.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

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Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	68kD
Cell Pathway :	Chemokine;VEGF;Focal adhesion;Leukocyte transendothelial migration;Regulates Actin and Cytoskeleton;
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],
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
Subcellular Location :	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). .
Expression :	Brain,Epithelium,Lung,Placenta,T-cell,Uterus,

Products Images

Western Blot analysis of various cells using Phospho-Paxillin (Y31) Polyclonal Antibody diluted at 1:1000

Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Paxillin (Phospho-Tyr31) Antibody
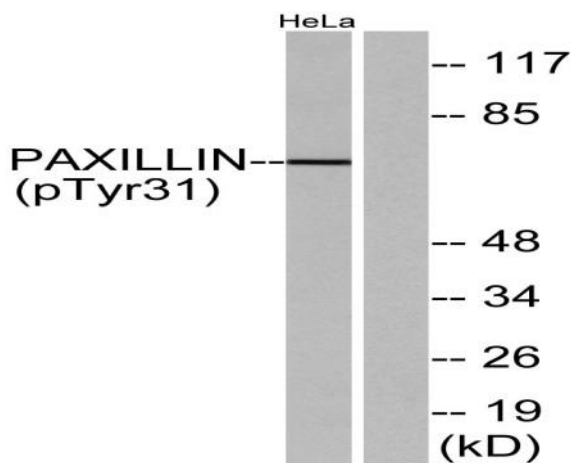
Western blot analysis of lysates from HeLa cells treated with TNF 200ng/ml 2', using Paxillin (Phospho-Tyr31) Antibody. The lane on the right is blocked with the phospho peptide.
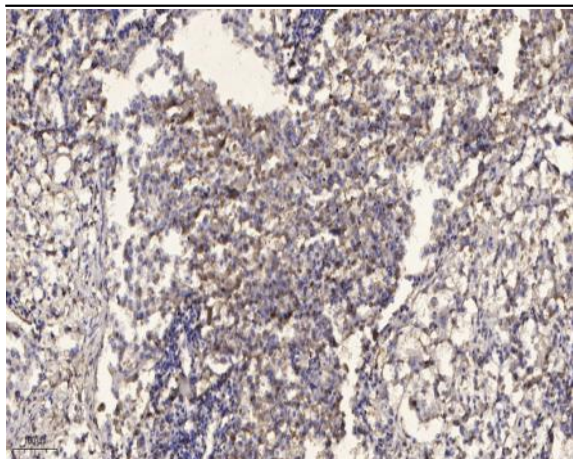
Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).