Paxillin (Phospho Ser272) Rabbit pAb

CatalogNo: YP0444

Key Features

Host Species	Reactivity	Applications
• Rabbit	• Human,Mouse,Rat	• WB,ELISA

MW	Isotype
• 68kD (Observed)	• IgG

Storage

Storage*	-15°C to -25°C/1 year (Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000
ELISA 1:10000
Not yet tested in other applications.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	Synthesized phospho-peptide around the phosphorylation site of human Paxillin (phospho Ser272)
Specificity	Phospho-Paxillin (S272) Polyclonal Antibody detects endogenous levels of Paxillin protein only when phosphorylated at S272.The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):MAsLS

Target Information

Gene name PXN

Protein Name Paxillin

Organism	Gene ID	UniProt ID
Human	5829;	P49023;
Mouse	19303;	Q8VI36;
Rat	360820;	Q66H76;

Cellular Localization 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. Interacts with unphosphorylated ITGA4. Interacts with RNF5. ,

Validation Data

Contact information

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