Immunotag™ Paxillin (phospho Tyr31) Polyclonal Antibody

Antibody Specification

Catalog No.	ITP0220
Product Description	Immunotag™ Paxillin (phospho Tyr31) Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	PaxIL-lin (Tyr31)
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized phospho-peptide around the phosphorylation site of human Paxillin (phospho Tyr31)
Specificity	Phospho-Paxillin (Y31) Polyclonal Antibody detects endogenous levels of Paxillin protein only when phosphorylated at Y31.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	PXN
Accession No.	P49023 Q8VI36 Q66H76
Alternate Names	PXN; Paxillin

Antibody Specification

Description	paxillin(PXN) Homo sapiens 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],
Cell Pathway/ Category	Chemokine,VEGF,Focal adhesion,Leukocyte transendothelial migration,Regulates Actin and Cytoskeleton,
Protein Expression	Brain,Epithelium,Lung,Placenta,T-cell,Uterus,
Subcellular Localization	stress fiber,nucleoplasm,cytoplasm,cytosol,cytoskeleton,microtubule associated complex,plasma membrane,focal adhesion,cell cortex,lamellipodium,
Protein 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.,
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