

Rabbit Paxillin (Ser-178) Polyclonal Antibody | anti-Pxn antibody

Anti-Paxillin (Ser-178), phospho-specific

CATALOG # AAA71526	HOST Rabbit	REACTIVITY Human, Rat, Mouse	APPLICATIONS Western Blot, ELISA
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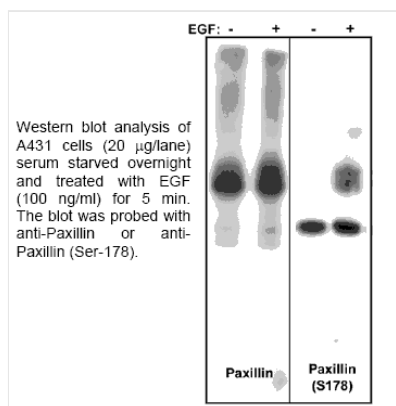
PRODUCT SYNONYMS

Paxillin (Ser-178); Polyclonal Antibody; Anti-Paxillin (Ser-178); phospho-specific; Paxillin; anti-Pxn antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat, Mouse
Clonality	Polyclonal
Specificity	This antibody detects a 68kDa* protein corresponding to the molecular mass of phosphorylated paxillin on SDS-PAGE immunoblots of EGF treated A431 cells, but not in A431 control cells. Similar results were seen in calyculin A treated human A431 and aortic endothelial cells.
Purity/Purification	Affinity Purified
Form/Format	Rabbit polyclonal, affinity-purified antibody is supplied in 100 ul phosphate-buffered saline, 50% glycerol, 1 mg/ml BSA, and 0.05% sodium azide.
Sequence Length	586
Applicable Applications for anti-Pxn antibody	WB (Western Blot), ELISA
Immunogen	Phospho-Paxillin (Ser-178) synthetic peptide (coupled to KLH) corresponding to amino acid residues around serine 178 of human paxillin. This human sequence is highly conserved in rat and mouse paxillin.
Preparation and Storage	Store at -20°C. Do not aliquot. Stable for 1 year.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-Pxn antibody	Paxillin, a focal adhesion protein, is involved in focal adhesion formation during cell adhesion and migration. Paxillin contains LD motifs, LIM domains, and SH3-/SH2-binding domains that participate in a variety of protein-protein interactions with kinases, GTPase-activating proteins, and cytoskeletal proteins. Phosphorylation of paxillin occurs at both tyrosine and serine sites. Serine phosphorylation of paxillin occurs in response to growth-factor activation and fibronectins. Both JNK1 and cdc2 kinases can phosphorylate serine 178 in paxillin. The mutant form of paxillin (S178A) decreases the migration of keratocytes and epithelial cells. Thus, phosphorylation paxillin at serine 178 may be important during cell migration.
References	• Huang, C. et al. (2003) Nature 424:219-223. • Huang, C. et al. (2004) Cell Cycle 3(1):4-6. • Woodrow, M.A. (2003) Exp. Cell. Res. 287(2):325-338.

NCBI AND UNIPROT INFORMATION

NCBI GI #	58865866
NCBI GeneID	360820
NCBI Accession #	NP_001012147.1
NCBI GenBank Nucleotide #	NM_001012147.1
UniProt Accession #	Q66H76; Q1EG89
Molecular Weight	63888 Da
NCBI Official Full Name	paxillin
NCBI Official Synonym Full Names	paxillin
NCBI Official Symbol	Pxn
NCBI Official Synonym Symbols	Pxn
NCBI Protein Information	paxillin; myocardial ischemic preconditioning associated protein 7
UniProt Protein Name	Paxillin
UniProt Gene Name	Pxn
UniProt Entry Name	PAXI_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.