

Product datasheet for **AP20813PU-N**

Paxillin (PXN) pTyr31 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blot: 1/500 - 1/1000. Immunohistochemistry on paraffin sections 1/50 - 1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of p-Paxillin protein, only when phosphorylated at Tyr31.
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography (> 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 68 kDa
Gene Name:	paxillin
Database Link:	Entrez Gene 19303 Mouse Entrez Gene 360820 Rat Entrez Gene 5829 Human P49023



[View online »](#)

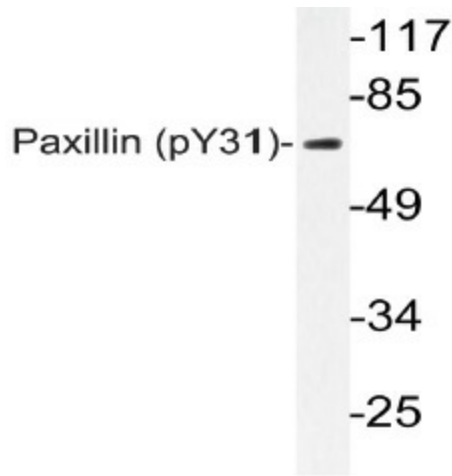
Background: The effects of some oncogenes, growth factors and neuropeptides are mediated by tyrosine phosphorylation of focal adhesion kinase (FAK) and paxillin cytoskeletal proteins. A rapid increase in tyrosine phosphorylation of paxillin, FAK and Crk-associated substrate (CAS) are prominent early events triggered by many G protein-coupled receptors. In addition to G protein-coupled receptors, Angiotensin IV (Ang IV), protein kinase C and other proteins can also mediate the tyrosine phosphorylation of paxillin. Paxillin must bind FAK for maximal phosphorylation in response to cell adhesion. FAK may function to direct tyrosine phosphorylation of paxillin in the process of transformation by the Src oncogene.

Synonyms: FLJ16691

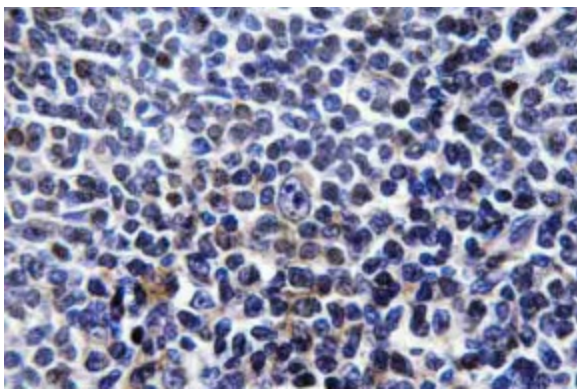
Protein Families: Druggable Genome, Stem cell - Pluripotency

Protein Pathways: Chemokine signaling pathway, Focal adhesion, Leukocyte transendothelial migration, Regulation of actin cytoskeleton, VEGF signaling pathway

Product images:



Western blot (WB) analyzes of p-Paxillin (pTyr31) antibody (Cat.-No.: AP20813PU-N) in extracts from HeLa TNF cells.



Immunohistochemistry (IHC) analyzes of p-Paxillin (pTyr31) antibody (Cat.-No.: AP20813PU-N) in paraffin-embedded human tonsil tissue.