

## Product datasheet for **AP09512PU-S**

### Paxillin (PXN) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	Western Blot: 1/500 - 1/1000. Immunofluorescence: 1/100 - 1/200.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthesized non-phosphopeptide derived from human Paxillin around the phosphorylation site of tyrosine 88 (P-V-YP-G-S).
Specificity:	Paxillin Antibody detects endogenous levels of total Paxillin protein.
Formulation:	Phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. State: Aff - Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	paxillin
Database Link:	<a href="#">Entrez Gene 5829 Human P49023</a>



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**Background:**

Paxillin is a 64 kDa cytoskeletal adapter protein involved in organisation and function of focal adhesions, which are critical to cell adhesion and migration. This in turn plays a role in a wide variety of processes including embryogenesis, organogenesis, wound repair, inflammation and cancer. Paxillin contains LD motifs, LIM domains, SH3 and SH2 binding domains that serve as docking sites for cytoskeletal proteins, tyrosine kinases (e.g., FAK, Pyk 2, Src), serine/threonine kinases, GTPase activating proteins and other adaptor proteins (e.g., Actin, Vinculin, Crk).

**Synonyms:**

FLJ16691

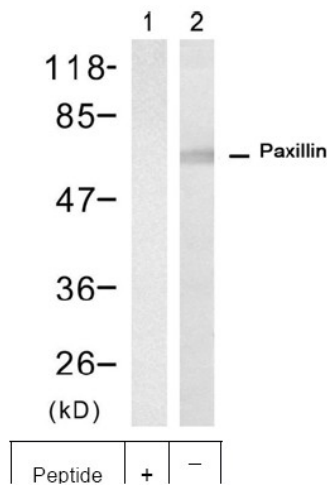
**Protein Families:**

Druggable Genome, Stem cell - Pluripotency

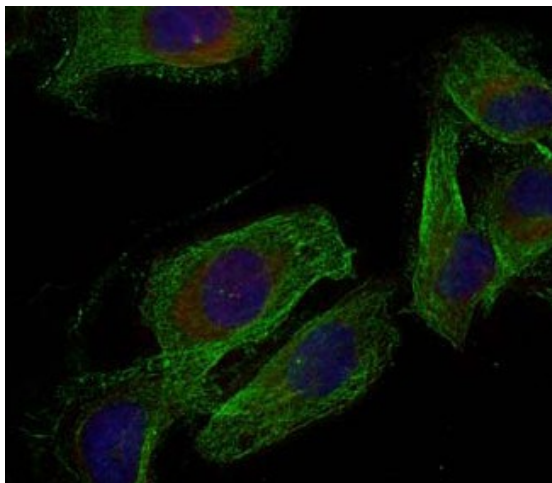
**Protein Pathways:**

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

**Product images:**



Western blot analysis of extracts from HUVEC cell using Paxillin Antibody



Immunofluorescence staining of methanol-fixed HeLa cells using Paxillin Antibody