

**Product Name: Paxillin (phospho Tyr31) Rabbit Polyclonal Antibody**  
**Catalog #: APRab05216**

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## Summary

|                        |   |
|------------------------|---|
| <b>Production Name</b> | Paxillin (phospho Tyr31) Rabbit Polyclonal Antibody |
| <b>Description</b>     | Rabbit Polyclonal Antibody                          |
| <b>Host</b>            | Rabbit  |
| <b>Application</b>     | ELISA,WB,   |
| <b>Reactivity</b>      | Human,Mouse,Rat                                     |

## Performance

|                     |  |
|---------------------|--|
| <b>Conjugation</b>  | Unconjugated   |
| <b>Modification</b> | Phospho Antibody   |
| <b>Isotype</b>      | IgG  |
| <b>Clonality</b>    | Polyclonal   |
| <b>Form</b>         | Liquid   |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| <b>Buffer</b>       | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.       |
| <b>Purification</b> | Affinity purification  |

## Immunogen

|                          |  |
|--------------------------|--|
| <b>Gene Name</b>         | PXN  |
| <b>Alternative Names</b> | PXN; Paxillin  |
| <b>Gene ID</b>           | 5829.0   |
| <b>SwissProt ID</b>      | P49023.The antiserum was produced against synthesized peptide derived from human Paxillin around the phosphorylation site of Tyr31. AA range:15-64 |

## Application

|                         |                                     |
|-------------------------|-------------------------------------|
| <b>Dilution Ratio</b>   | WB 1:500 - 1:2000. ELISA: 1:20000.. |
| <b>Molecular Weight</b> | 68kD                                |

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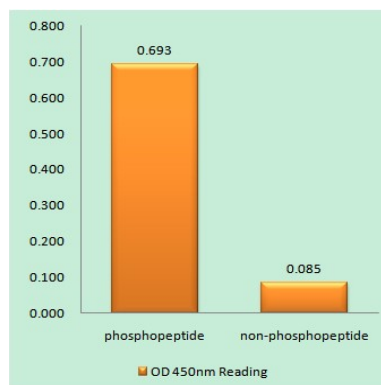
## Background

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],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 TGFBI1. Component of cytoplasmic complexes, which also contain GIT1, ARHGEF6 and PAK1 (By similarity). Binds ASAP2. Interacts with unphosphorylated ITGA4. Interacts with RNF5.,

## Research Area

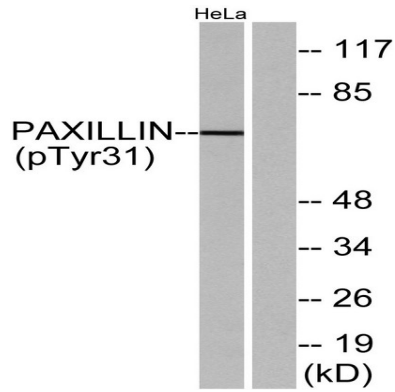
Chemokine;VEGF;Focal adhesion;Leukocyte transendothelial migration;Regulates Actin and Cytoskeleton;

## Image Data



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right) , using Paxillin (Phospho-Tyr31) Antibody

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Western blot analysis of lysates from HeLa cells treated with TNF 200ng/ml 2', using Paxillin (Phospho-Tyr31) Antibody. The lane on the right is blocked with the phospho peptide.



Western Blot analysis of various cells using Phospho-Paxillin (Y31) Polyclonal Antibody diluted at 1: 1000

## Note

For research use only.