

## Rabbit Paxillin Polyclonal Antibody | anti-PXN antibody

Anti-Paxillin antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                                  |
|-----------|--------|-------------------|-------------------------------------------------------------------------------|
| AAA45436  | Rabbit | Human, Mouse, Rat | Immunocytochemistry, Immunohistochemistry, Immunohistochemistry, Western Blot |

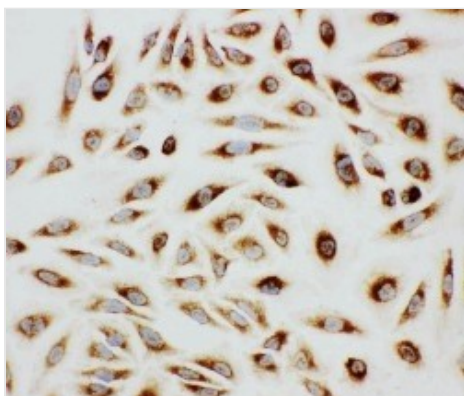
### PRODUCT SYNONYMS

Paxillin; Polyclonal Antibody; Anti-Paxillin antibody; paxillin; FLJ16691 antibody; FLJ23042 antibody; Paired box protein Pax 1 antibody; PAX 1 antibody; PAX1 antibody; PAXI\_HUMAN antibody; Paxillin alpha antibody; Paxillin antibody; PXN antibody; PXN protein antibody; anti-PXN antibody

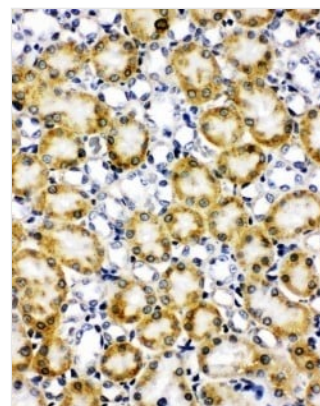
### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                                                                                      |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                                                                                                               |
| Reactivity                                    | Human, Mouse, Rat                                                                                                                                                                                    |
| Clonality                                     | Polyclonal                                                                                                                                                                                           |
| Isotype                                       | IgG                                                                                                                                                                                                  |
| Purity/Purification                           | Immunogen affinity purified.                                                                                                                                                                         |
| Form/Format                                   | Lyophilized                                                                                                                                                                                          |
| Sequence Length                               | 591                                                                                                                                                                                                  |
| Applicable Applications for anti-PXN antibody | ICC (Immunocytochemistry), IHC (Immunohistochemistry), IHC (Immunohistochemistry), WB (Western Blot)                                                                                                 |
| Immunogen                                     | A synthetic peptide corresponding to a sequence at the C-terminal of human Paxillin (456-472aa HEKDGKAYCRKDYFDMF), identical to the related mouse and rat sequences.                                 |
| Contents                                      | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg NaN <sub>3</sub> .                                                                        |
| Reconstitution                                | Add 0.2ml of distilled water will yield a concentration of 500ug/ml.                                                                                                                                 |
| Preparation and Storage                       | At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing. |

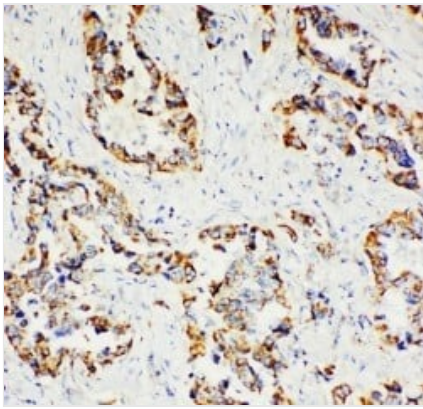
### IMAGES



ICC (Immunocytochemistry)  
Anti-Paxillin antibody, AAA45436, ICCIC: HELA Cell

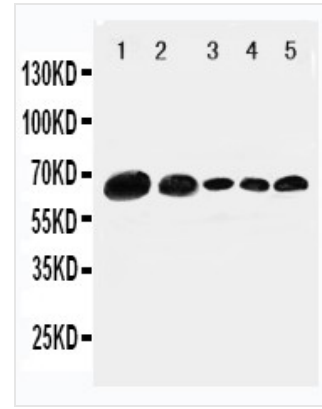


IHC (Immunohistochemistry)  
Anti-Paxillin antibody, AAA45436, IHC(F)IHC(F): Rat Kidney Tissue



#### IHC (Immunohistochemistry)

Anti-Paxillin antibody, AAA45436, IHC(P)IHC(P): Human Lung Cancer Tissue



#### WB (Western Blot)

Anti-Paxillin antibody, AAA45436, Western blottingLane 1: 293T Cell LysateLane 2: HELA Cell LysateLane 3: MCF-7 Cell LysateLane 4: MM231 Cell LysateLane 5: JUKAT Cell Lysate

## ADDITIONAL INFORMATION

#### Related Product Information for anti-PXN antibody

**Description:** Rabbit IgG polyclonal antibody for Paxillin(PXN) detection. Tested with WB, IHC-P, IHC-F, ICC in Human, Mouse, Rat.

**Background:** PXN(Paxillin) is a signal transduction adaptor protein discovered in 1990 in the laboratory of Keith Burridge. Salgia et al.(1995) mapped the paxillin gene to 12q24 using fluorescence in situ hybridization. The C-terminal region of paxillin contains four LIM domains that target paxillin to focal adhesions, it is presumed through a direct association with the cytoplasmic tail of beta-integrin. The N-terminal region of paxillin is rich in protein-protein interaction sites. The proteins that bind to paxillin are diverse and include protein tyrosine kinases, such as Src and FAK, structural proteins, such as vinculin and actopaxin, and regulators of actin organization, such as COOL/PIX and PKL/GIT. Paxillin is tyrosine-phosphorylated by FAK and Src upon integrin engagement or growth factor stimulation, creating binding sites for the adapter protein Crk. The paxillin protein contains 4 LIM domains, a proline-rich domain containing a consensus SH3-binding site, and 3 potential SH2-binding sites. On Northern blots, paxillin was expressed as a 3.7-kb mRNA in all tissues tested.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI GI #                        | 317373486                                              |
| NCBI GeneID                      | 5829                                                   |
| UniProt Accession #              | P49023; O14970; O14971; O60360; Q5HYA4; B2RAI3; B7ZMB4 |
| Molecular Weight                 | 46,604 Da                                              |
| NCBI Official Full Name          | Paxillin                                               |
| NCBI Official Synonym Full Names | paxillin                                               |
| NCBI Official Symbol             | PXN                                                    |
| NCBI Protein Information         | paxillin                                               |
| UniProt Protein Name             | Paxillin                                               |
| UniProt Gene Name                | PXN                                                    |
| UniProt Entry Name               | PAXI_HUMAN                                             |

**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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/paxillin-antibody-immunocytochemistry-immunohistochemistry-immunohistochemistry-western-blot-elisa/45436>