

**DATASHEET**

**Paxillin Rabbit Polyclonal Antibody**

CAT. NO. APA10020

**KEY FEATURES**

|               |                                                                                                           |               |              |
|---------------|-----------------------------------------------------------------------------------------------------------|---------------|--------------|
| Target        | Paxillin                                                                                                  | Source / Host | Rabbit       |
| Reactivity    | Human, Mouse, Rat, Chicken                                                                                | Clonality     | Polyclonal   |
| Applications  | WB, IHC, IF/ICC                                                                                           | Conjugation   | Unconjugated |
| Form / Buffer | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. | Storage       | at-20°C      |

**BACKGROUND**

Cytoskeletal protein involved in actin-membrane attachment at sites of cell adhesion to the extracellular matrix (focal adhesion). Recruits other proteins such as TRIM15 to focal adhesion.

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

|        |                |
|--------|----------------|
| WB     | 1:500 - 1:1000 |
| IHC    | 1:50 - 1:100   |
| IF/ICC | 1:50 - 1:200   |

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

|                   |                                                                                                                                         |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Description       | Rabbit polyclonal antibody to Paxillin                                                                                                  |
| Specificity       | Recognizes endogenous levels of Paxillin protein.                                                                                       |
| Antibody Type     | Primary antibody                                                                                                                        |
| Immunogen         | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Paxillin. The exact sequence is proprietary. |
| Purification      | The antibody was purified by immunogen affinity chromatography.                                                                         |
| Molecular Weight  | Predicted: 64 kD; Observed: 64 kD                                                                                                       |
| Form/Buffer       | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                               |
| Alternative Names | Paxillin                                                                                                                                |
| Gene Symbol       | PXN                                                                                                                                     |
| Entrez Gene       | 5829(Human); 19303(Mouse); 360820(Rat)                                                                                                  |
| SwissProt         | P49023(Human); Q8VI36(Mouse); Q66H76(Rat)                                                                                               |

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

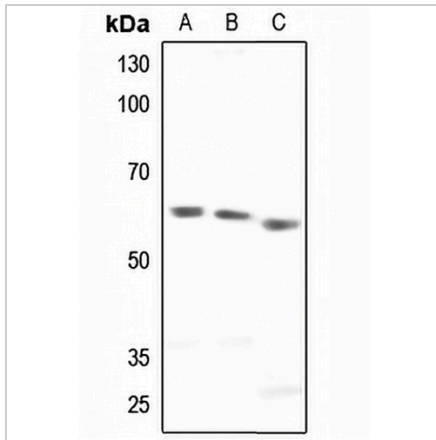
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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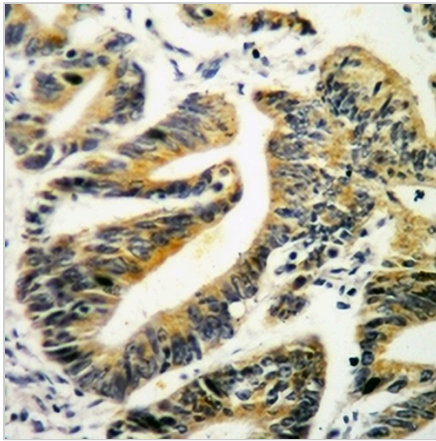
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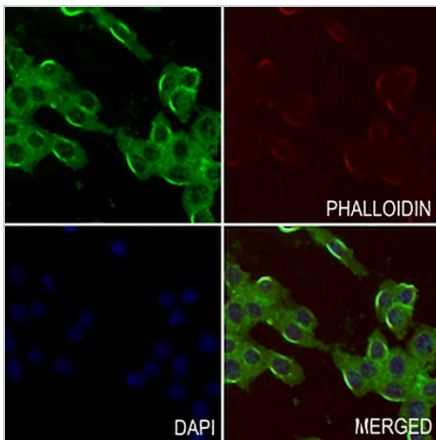
**DATA**



Western blot analysis of Paxillin expression in Hela (A), HGC27 (B), rat kidney (C) whole cell lysates. (Predicted band size: 64 kD; Observed band size: 64 kD)



Immunohistochemical analysis of Paxillin staining in human colorectal cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of Paxillin staining in LS8 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AREX® Fluor 488 -conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AREX® Fluor 594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.