Datasheet for ABIN3032168

anti-Paxillin antibody (AA 456-472)

6 Images

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Overview

Quantity:	100 µg
Target:	Paxillin (PXN)
Binding Specificity:	AA 456-472
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Paxillin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Amino acids 456-472 (HEKDGKAYCRKDYFDMF) were used as the immunogen for this Paxillin antibody (100% homologous in human, mouse and rat).
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	Paxillin (PXN)
Alternative Name:	Paxillin (PXN Products)
Background:	Paxillin is a signal transduction adaptor protein discovered in 1990 in the laboratory of Keith Burridge. Salgia et al.(1995) mapped the gene to 12q24 using fluorescence in situ

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Target Details

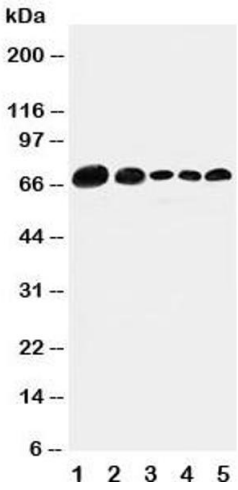
	hybridization.The C-terminal region of Paxillin contains four LIM domains that target paxillin to focal adhesions, it is presumed through a direct association with the cytoplasmic tail of beta-integrin. The N-terminal region is rich in protein-protein interaction sites. The proteins that bind to Paxillin 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 protein contains 4 LIM domains, a proline-rich domain containing a consensus SH3-binding site, and 3 potential SH2-binding sites.
UniProt:	P49023
Pathways:	MAPK Signaling, EGFR Signaling Pathway, Response to Growth Hormone Stimulus, Cell-Cell Junction Organization, Maintenance of Protein Location, CXCR4-mediated Signaling Events, Signaling Events mediated by VEGFR1 and VEGFR2, Signaling of Hepatocyte Growth Factor Receptor, VEGF Signaling

Application Details

Application Notes:	The stated application concentrations are suggested starting amounts. Titration of the Paxillin antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL,IHC (Frozen): 0.5-1 µ g/mL,Immunocytochemistry: 0.5-1 µg/mL
Restrictions:	For Research Use only

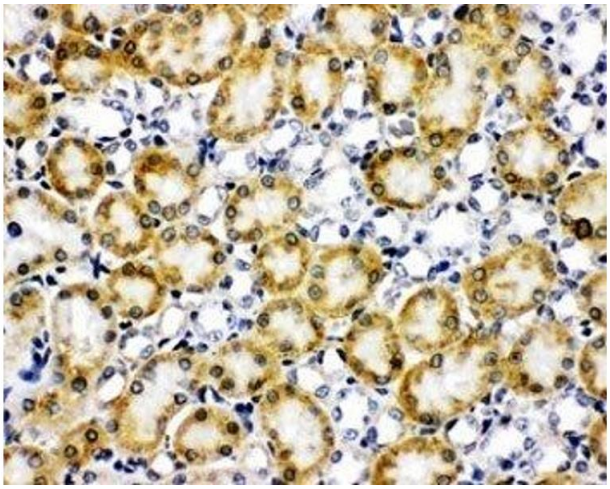
Handling

Buffer:	0.5 mg/mL if reconstituted with 0.2 mL sterile DI water
Storage:	-20 °C
Storage Comment:	After reconstitution, the Paxillin antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.



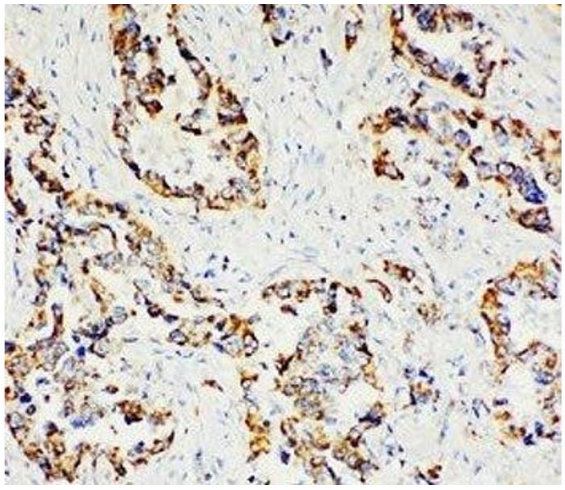
Western Blotting

Image 1. Western blot testing of Paxillin antibody and Lane 1: 293T



Immunohistochemistry

Image 2. IHC-F testing of Paxillin antibody and rat kidney tissue



Immunohistochemistry

Image 3. IHC-P: Paxillin antibody testing of human lung cancer tissue

Please check the product details page for more images. Overall 6 images are available for ABIN3032168.

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