Datasheet for ABIN968067

anti-Paxillin antibody (AA 1-557)

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Overview

Quantity:	150 µg
Target:	Paxillin (PXN)
Binding Specificity:	AA 1-557
Reactivity:	Human, Mouse, Rat, Chicken, Dog
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Paxillin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Immunogen:	Chicken Paxillin aa. 1-557
Clone:	165-Paxillin
Isotype:	IgG1
Cross-Reactivity:	Human, Dog (Canine), Rat (Rattus), Mouse (Murine)
Characteristics:	1. Since applications vary, each investigator should titrate the reagent to obtain optimal results. 2. Please refer to us for technical protocols. 3. Source of all serum proteins is from USDA inspected abattoirs located in the United States. 4. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

Product Details

Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Target Details

Target:	Paxillin (PXN)
Alternative Name:	Paxillin (PXN Products)
Background:	Paxillin, a focal adhesion protein, is a substrate for several tyrosine kinases such as src, FAK, and p120BRC/ABL. The tyrosine phosphorylation of paxillin is affected by conditions that change cell-cell adhesion. This is consisent with the possibility that paxillin is involved in the regulation of cell morphology. Additionally, because of its SH3 binding domain, paxillin associates tightly with FAK and Crk in an extracellular matrix-independent manner. Paxillin was initially detected in fibroblasts, and its phosphorylation may be important during neurite extension during differentiation. This antibody is routinely tested by western blot analysis.
Molecular Weight:	68 kDa
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

Comment:	Related Products: ABIN968536, ABIN967389
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	250 µg/mL
Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

Handling

Storage Comment:	Store undiluted at -20° C.

Publications

Product cited in:

Laukaitis, Webb, Donais, Horwitz: "Differential dynamics of alpha 5 integrin, paxillin, and alpha-actinin during formation and disassembly of adhesions in migrating cells." in: **The Journal of cell biology**, Vol. 153, Issue 7, pp. 1427-40, (2001) (PubMed).

Müller, Jung, Wied, Welte, Jordan, Frick: "Redistribution of glycolipid raft domain components induces insulin-mimetic signaling in rat adipocytes." in: **Molecular and cellular biology**, Vol. 21, Issue 14, pp. 4553-67, (2001) (PubMed).

Herreros, Rodríguez-Fernandez, Brown, Alonso-Lebrero, Cabañas, Sánchez-Madrid, Longo, Turner, Sánchez-Mateos: "Paxillin localizes to the lymphocyte microtubule organizing center and associates with the microtubule cytoskeleton." in: **The Journal of biological chemistry**, Vol. 275, Issue 34, pp. 26436-40, (2000) (PubMed).

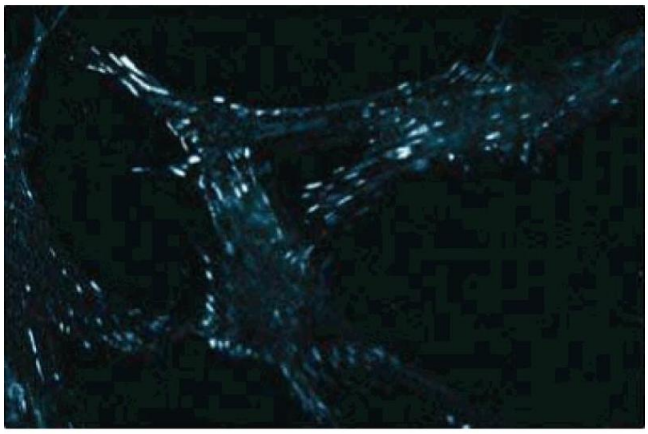
Salgia, Li, Lo, Brunkhorst, Kansas, Sobhany, Sun, Pisick, Hallek, Ernst: "Molecular cloning of human paxillin, a focal adhesion protein phosphorylated by P210BCR/ABL." in: **The Journal of biological chemistry**, Vol. 270, Issue 10, pp. 5039-47, (1995) (PubMed).

Turner, Glenney, Burridge: "Paxillin: a new vinculin-binding protein present in focal adhesions." in: **The Journal of cell biology**, Vol. 111, Issue 3, pp. 1059-68, (1990) (PubMed).

Images

Western Blotting

Image 1. Western blot analysis of Paxillin of human endothelial cell lysate. Lane 1: 1:1000, lane 2: 1: 2000, lane 3: 1: 4000 dilution of anti-Paxillin.



Immunofluorescence

Image 2. Immunofluorescent staining of WI38 cells with anti-Paxillin.

Image 3.

Please check the product details page for more images. Overall 4 images are available for ABIN968067.