

Technical Data Sheet

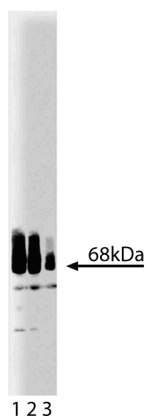
Purified Mouse Anti-Paxillin**Product Information**

Material Number:	610051
Size:	50 µg
Concentration:	250 µg/ml
Clone:	349/Paxillin
Immunogen:	Chicken Paxillin aa. 1-557
Isotype:	Mouse IgG1
Reactivity:	QC Testing: Human Tested in Development: Dog, Chicken, Mouse, Rat
Target MW:	68 kDa
Storage Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.

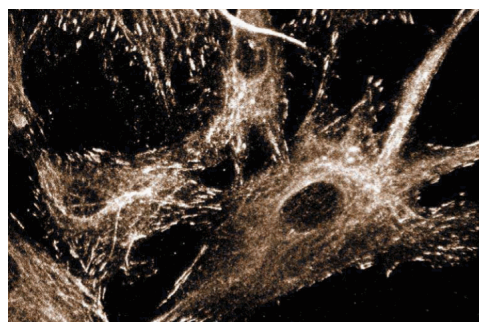
Description

A number of cytoskeletal proteins are tyrosine phosphorylated in Rous sarcoma virus-transformed chick embryo fibroblasts. One of these is the 68 kDa paxillin protein. Paxillin is a cytoskeletal component that localizes to the focal adhesions at the ends of actin stress fibers. It is also present in the focal adhesions of Madin-Darby canine kidney epithelial cells, but is absent from the cell adherens junctions of these cells. Paxillin purified from chicken gizzard migrates as a diffuse band on SDS-PAGE with molecular weight of 65-70 kDa. It binds to the rod domain of vinculin, another focal adhesion protein. It is thought that phosphorylation of paxillin may have a role in that disassembly of focal adhesions and stress fibers during transformation.

This antibody is routinely tested by Western blot analysis. Other applications were tested at BD Biosciences Pharmingen during antibody development only or reported in the literature.



Western blot analysis of Paxillin on a A431 lysate.
Lane 1: 1:10,000; lane 2: 1:20,000; lane 3: 1:40,000
dilution of the anti- Paxillin antibody.



Immunofluorescence staining of human fibroblasts.

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. Store undiluted at -20° C.

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Application Notes

Application

Western blot	Routinely Tested
Immunofluorescence	Tested During Development
Immunohistochemistry-formalin (antigen retrieval required)	Tested During Development
Immunoprecipitation	Tested During Development

Suggested Companion Products

Catalog Number	Name	Size	Clone
611447	A431 Cell Lysate	500 µg	(none)
554002	HRP Goat Anti-Mouse Igs	1.0 ml	(none)
554001	FITC Goat Anti-Mouse Igs	0.5 mg	Polyclonal

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
3. 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.
4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

References

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Nikolopoulos SN, Turner CE. Actopaxin, a new focal adhesion protein that binds paxillin LD motifs and actin and regulates cell adhesion. *J Cell Biol.* 2000; 151(7):1435-1447.(Biology: Immunofluorescence, Western blot)

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