Technical Data Sheet

TRITC Mouse Anti-Paxillin

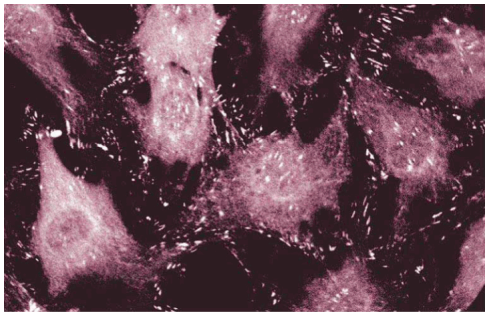
Product Information

Material Number:	**610055**
Size:	50 µg
Concentration:	250 µg/ml
Clone:	349/Paxillin
Immunogen:	Chicken Paxillin aa. 1-557
Isotype:	Mouse IgG1
Reactivity:	QC Testing: Mouse Tested in Development: Human
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 immunofluoresence microscopy. Other applications were tested at BD Biosciences Pharmingen during antibody development only or reported in the literature.



Immunofluoresence staining of C3H10T1/2 cells (murine embryonic fibroblasts).

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
The antibody was conjugated with TRITC under optimum conditions, and unreacted TRITC was removed.
Store undiluted at -20° C.

Application Notes

Application

Immunofluorescence	Routinely Tested

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at www.bdbiosciences.com/pharmingen/colors.
3. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
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.
5. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

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References

Glenney JR Jr, Zokas L. Novel tyrosine kinase substrates from Rous sarcoma virus-transformed cells are present in the membrane skeleton. *J Cell Biol.* 1989; 108(6):2401-2408.(Biology)

Hildebrand JD, Schaller MD, Parsons JT. Paxillin, a tyrosine phosphorylated focal adhesion-associated protein binds to the carboxyl terminal domain of focal adhesion kinase. *Mol Biol Cell.* 1995; 6(6):637-647.(Biology)

Smart EJ, Ying YS, Mineo C, Anderson RG. A detergent-free method for purifying caveolae membrane from tissue culture cells. *Proc Natl Acad Sci U S A.* 1995; 92(22):10104-10108.(Biology)

Tsygankov AY, Spana C, Rowley RB, Penhallow RC, Burkhardt AL, Bolen JB. Activation-dependent tyrosine phosphorylation of Fyn-associated proteins in T lymphocytes. *J Biol Chem.* 1994; 269(10):7792-7800.(Biology)

Turner CE, Glenney JR Jr, Burridge K. Paxillin: a new vinculin-binding protein present in focal adhesions. *J Cell Biol.* 1990; 111(3):1059-1068.(Biology)