Product Information Sheet

Monoclonal Anti-Paxillin Magnetic Bead Conjugate

Catalogue No. MA1080-M

Lot No. 08A12

Clone: PAX-14

Ig type: mouse IgG1

Size: 200µl

Specificity

Human, mouse, rat, chicken

No cross reactivity with other proteins.

Recommended application

Immunoprecipitation(IP)

Immunogen

C-terminal part of recombinant chicken paxillin (amino acids 305-559)

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Formulation

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN_3.

Storage

Store at 4˚C for frequent use.

Description

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified beads. It is useful for immunoprecipitation.

BACKGROUND

The paxillin gene can be alternatively spliced to include 1 of 2 alternative exons, generating beta and gamma isoforms. Paxillin is a 68-kDa focal adhesion protein that is phosphorylated on tyrosine residues in fibroblasts in response to transformation by v-src, treatment with platelet-derived growth factor, or cross-linking of integrins. The 68-kD protein (paxillin) is a cytoskeletal component that localizes to the focal adhesions at the ends of actin stress fibers in chicken embryo fibroblasts. It is also present in the focal adhesions of Madin-Darby bovine kidney (MDBK) epithelial cells but is absent, like talin, from the cell-cell adherens junctions of these cells.

REFERENCE

1 Salgia, R.; Li, J.-L.; Lo, S. H.; Brunkhorst, B.; Kansas, G. S.; Sobhany, E. S.; Sun, Y.; Pisick, E.; Hallek, M.; Ernst, T.; Tantravahi, R.; Chen, L. B.; Griffin, J. D. : Molecular cloning of human paxillin, a focal adhesion protein phosphorylated by P210(BCR/ABL). *J. Biol. Chem.* 270: 5039-5047, 1995.

2. Turner, C. E.; Glenney, J. R., Jr.; Burridge, K. : Paxillin: a new vinculin-binding protein present in focal adhesions. *J. Cell Biol.* 111: 1059-1068, 1990.

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