



## Product Information Sheet

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### Monoclonal Anti-Paxillin

**Catalogue No.** MA1080

**Lot No.** 08A12

**Clone:** PAX-14

**Ig type:** mouse IgG1

**Size:** 100µg/vial

**Specificity**

Human, mouse, rat, chicken

No cross reactivity with other proteins.

**Recommended application**

*Western blot*

*Immunocytochemistry*

**Immunogen**

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

**Purification**

Purified by the goat anti-mouse IgG affinity chromatography.

**Application**

*Western blot*

At 1-2µg/ml with the appropriate system to detect paxillin in cells and tissues.

*Immunocytochemistry*

Suitable

*Other applications have not been tested.*

*Optimal dilutions should be determined by end user.*

**Formulation**

Lyophilized from 1.2% sodium acetate, with 2mg BSA and 0.01mg NaN<sub>3</sub> as preservative.

**Reconstitution**

1.2% sodium acetate or neutral PBS. If 1ml of PBS is used, the antibody concentration will be 100µg/ml.

**Storage**

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for longer time.

To reorder contact us at:

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## **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.