

Monoclonal Anti-Talin

Catalogue No. MA1092

Lot No. 08A12

Clone: Tal-33

Ig type: mouse IgG1

Size: 100µg/vial

Specificity

Human, mouse, rat, chicken, frog.

No cross reactivity with other proteins.

Recommended application

Western blot

Immunogen

Purified chicken gizzard talin.

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Application

Western blot

At 2-4µg/ml with the appropriate system to detect talin in cells and tissues.

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 0.2mg NaN₃ 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.

Relative detection systems

Boster provides a series of assays reacted with primary antibodies. Antibody can be supported by SA1021 in IH; supported by chemiluminescence kit EK1001 in WB.

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BACKGROUND

Talin is a high-molecular-weight cytoskeletal protein concentrated at regions of cell-substratum contact and, in lymphocytes, at cell-cell contacts. Talin serves a function of linking vinculin to the integrins, and, thus, the cytoskeleton to extracellular matrix (ECM) receptors. It has a mass of 270 kD and shares 23% N-terminal identity with ezrin, which has similar functions. TLN gene is mapped to 9p.

REFERENCE

1 Rees, D. J. G.; Ades, S. E.; Singer, S. J.; Hynes, R. O. : Sequence and domain structure of talin. *Nature* 347: 685-689, 1990.

2. Gilmore, A. P.; Ohanian, V.; Spurr, N. K.; Critchley, D. R. : Localisation of the human gene encoding the cytoskeletal protein talin to chromosome 9p. *Hum. Genet.* 96: 221-224, 1995.