



Product Information Sheet

Monoclonal Anti- β -Catenin

Catalogue No. MA1110

Immunogen

Recombinant chicken β -catenin.

Lot No. 08A12

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Clone: IMD-110

Ig type: mouse IgG1

Application

Western blot

Size: 100 μ g/vial

At 0.5-1 μ g/ml with the appropriate system to detect β -catenin in cells and tissues.

Specificity

Human, rat, chicken.

No cross reactivity with other proteins.

Immunohistochemistry(F)

At 1-2 μ g/ml to detect β -catenin in formalin or acetone fixed tissues.

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Recommended application

Western blot

Immunohistochemistry(F)

Formulation

Lyophilized from 1.2% sodium acetate, with 2mg BSA and 0.01mg NaN₃ as preservative.

Reconstitution

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

To reorder contact us at:

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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.

BACKGROUND

Beta-catenin is an adherens junction protein. Adherens junctions (AJs; also called the zonula adherens) are critical for the establishment and maintenance of epithelial layers, such as those lining organ surfaces. AJs may also function in the transmission of the 'contact inhibition' signal, which instructs cells to stop dividing once an epithelial sheet is complete. CTNNB1 is mapped to 3p22-p21.3. Beta-catenin has functions as both an adhesion and a signaling molecule. Beta-catenin controls hair follicle morphogenesis and stem cell differentiation in the skin.

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC AND CLINICAL USE.

REFERENCE

1. Bailey, A.; Norris, A. L.; Leek, J. P.; Clissold, P. M.; Carr, I. M.; Ogilvie, D. J.; Morrison, J. F. J.; Meredith, D. M.; Markham, A. F. : Yeast artificial chromosome cloning of the beta-catenin locus on human chromosome 3p21-22. *Chromosome Res.* 3: 201-203, 1995.
2. Ilyas, M.; Tomlinson, I. P. M.; Rowan, A.; Pignatelli, M.; Bodmer, W. F. :Beta-catenin mutations in cell lines established from human colorectal cancers. *Proc. Nat. Acad. Sci.* 94: 10330-10334, 1997.
3. Huelsken, J.; Vogel, R.; Erdmann, B.; Cotsarelis, G.; Birchmeier, W. : Beta-catenin controls hair follicle morphogenesis and stem cell differentiation in the skin. *Cell* 105: 533-545, 2001.