



Product Information Sheet

Monoclonal Anti- β -Catenin (Magnetic Bead conjugate)

Catalogue No. MA1110-M

Immunogen

Recombinant chicken β -catenin.

Lot No. 08A12

Purification

Clone: IMD-110

Purified by the goat anti-mouse IgG affinity chromatography.

Ig type: mouse IgG1

Formulation

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN₃.

Size: 200 μ l

Storage

Specificity

Store at 4°C for frequent use.

Human, rat, chicken.

No cross reactivity with other proteins.

Description

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

Recommended application

Immunoprecipitation(IP)

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.

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.

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