Product Information Sheet

Polyclonal Anti-Catenin β *(Magnetic Bead Conjugate)*

Catalogue No. PA1212-M

Lot No. 1121012141289

Ig type rabbit IgG

Size 100µg/vial

Specificity
Human, mouse, rat.
No cross reactivity with other proteins.

Recommended application
ImmunoPrecipitation

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminal of human Catenin β, identical to the related rat and mouse sequence.

Purity

Immunogen affinity purified.

Contents

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 magnetic beads. It is useful for immunoprecipitation

BACKGROUND

Catenins are proteins found in complexes with cadherin cell adhesion molecules of animal cells. The first two catenins that were identified became known as alpha-catenin and beta-catenin.[1] Alpha-catenin can bind to beta-catenin and can also bind actin. Beta-catenin binds the cytoplasmic domain of some cadherins. Beta-catenin is an adherens junction protein. It plays an important role in various aspects of liver biology including liver development (both embryonic and postnatal), liver regeneration following partial hepatectomy. HGF-induced hepatpomegaly, liver zonation, and pathogenesis of liver cancer.[2]

REFERENCE

1. N. Peyrieras, D. Louvard and F. Jacob. "Characterization of antigens recognized by monoclonal and polyclonal antibodies directed against uvomorulin" in *Proceedings of the National Academy of Sciences of the United States of America* (1985) Volume 82, pages 8067-8071.
2. Thompson MD, Monga SP (2007). "WNT/beta-catenin signaling in liver health and disease". *Hepatology* 45 (5): 1298–305.

Contact: Antagene, Inc. | Tel: 1 (866) 964-2589 | Fax: 1 (888) 225-1868 | Email:Info@antageneinc.com