Polyclonal Anti- P-Cadherin *(Magnetic Bead Conjugate)*

Catalogue No. PA1363-M

Lot No. 0131112046327

Ig type rabbit IgG

Size 100µg/vial

Specificity
Human.
No cross reactivity with other proteins.

Recommended application
ImmunoPrecipitation (IP)

Immunogen
A synthetic peptide corresponding to a sequence at the middle region of human P-Cadherin (612-626 aa), different from the mouse and rat sequence by one amino acid.

Purity
Immunogen affinity purified.

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

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

Cadherins, such as CDH3, are integral membrane glycoproteins responsible for calcium-dependent cell-cell adhesion. Cadherin-3 is a protein that in humans is encoded by the CDH3 gene. This gene is a classical cadherin from the cadherin superfamily. The encoded protein is a calcium-dependent cell-cell adhesion glycoprotein composed of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. This gene is located in a six-cadherin cluster in a region on the long arm of chromosome 16 that is involved in loss of heterozygosity events in breast and prostate cancer. In addition, aberrant expression of this protein is observed in cervical adenocarcinomas. Mutations in this gene have been associated with congential hypotrichosis with juvenile macular dystrophy.

REFERENCE

1. Kaupmann K, Becker-Follmann J, Scherer G, Jockusch H, Starzinski-Powitz A (Dec 1992). "The gene for the cell adhesion molecule M-cadherin maps to mouse chromosome 8 and human chromosome 16q24.1-qter and is near the E-cadherin (uvomorulin) locus in both species". Genomics 14 (2): 488–90.