



## Product Information Sheet

### **Polyclonal Anti-Catenin $\gamma$ (Magnetic Bead Conjugate)**

<b>Catalogue No.</b> PA1117-M	<b>Immunogen</b> A synthetic peptide corresponding to a sequence at the N-terminal of human Catenin $\gamma$ , identical to the related mouse and rat sequence
<b>Lot No.</b> 08G01	<b>Purification</b> Immunogen affinity purified
<b>Ig type:</b> rabbit IgG1	
<b>Size:</b> 100 $\mu$ g/Vial	<b>Contents</b> Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN <sub>3</sub> .
<b>Specificity</b> Human, rat, mouse. No cross reactivity with other proteins.	<b>Storage</b> Store at 4°C for frequent use.
<b>Recommended application</b> <i>Immunoprecipitation(IP)</i>	<b>Description:</b> This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified magnetic beads. It is useful for immunoprecipitation

#### **BACKGROUND**

Catenin $\gamma$ , also known as junction plakoglobin (JUN) or plakoglobin (PKGB). Plakoglobin is a major cytoplasmic protein which is the only known constituent common to submembranous plaques of both desmosomes and intermediate junctions. Catenin $\beta$  and catenin $\gamma$  (plakoglobin), vertebrate homologs of *Drosophila armadillo*, function in cell adhesion and the Wnt signaling pathway. Catenin $\gamma$  may have distinct roles in Wnt signaling and cancer via differential effects on downstream target genes.

#### **REFERENCE**

1. Kolligs, F. T.; Kolligs, B.; Hajra, K. M.; Hu, G.; Tani, M.; Cho, K. R.; Fearon, E. R. : Gamma-catenin is regulated by the APC tumor suppressor and its oncogenic activity is distinct from that of beta-catenin. *Genes Dev.* 14: 1319-1331, 2000.