



## Product Information Sheet

### Polyclonal Anti-NOTCH1 (Magnetic Bead Conjugate)

**Catalogue No.** PA1215-M

**Lot No.** 09C01

**Ig type:** rabbit IgG1

**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 NOTCH1, different from the related rat sequence by one amino acid.

**Purification**

Immunogen affinity purified

**Contents**

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN<sub>3</sub>.

**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

#### BACKGROUND

Notch proteins are single-pass transmembrane receptors that regulate cell fate decisions during development. The Notch family includes 4 receptors, NOTCH1, NOTCH2, NOTCH3, and NOTCH4, whose ligands include JAG1, JAG2, DLL1), DLL3, and DLL4. Notch homolog 1, translocation-associated (NOTCH1), is a human gene encoding a single-pass transmembrane receptor. It functions as a receptor for membrane bound ligands, and may play multiple roles during development. NOTCH1 may normally coordinates the process of somitogenesis,<sup>1</sup> and the activated Notch 1 and Notch 3 promote differentiation of progenitor cells into astroglia.<sup>2</sup>

#### REFERENCE

1. Conlon, R. A.; Reaume, A. G.; Rossant, J. : Notch1 is required for the coordinate segmentation of somites. *Development* 121: 1533-1545, 1995.
2. Tanigaki K, Nogaki F, Takahashi J, Tashiro K, Kurooka H, Honjo T (January 2001). "Notch1 and Notch3 instructively restrict bFGF-responsive multipotent neural progenitor cells to an astroglial fate". *Neuron* 29 (1): 45–55.

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