



Polyclonal Anti-NOTCH1 (Sepharose Bead Conjugate)

Catalogue No. PA1215-S

Lot No. 09C01

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

Purification

Immunogen affinity purified.

Formulation

50% slurry in PBS pH 7.2 with 0.01mg NaN₃ preservative.

Storage

Store at 4°C for frequent use.

Description:

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays

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,¹ and the activated Notch 1 and Notch 3 promote differentiation of progenitor cells into astroglia.²

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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