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Notch1 (93-2) & Notch1 (PCR12) Antibodies

Tech ID: 21731 / UC Case 2000-135-0

INNOVATION

The Notch pathway is a highly conserved cellular signaling pathway that plays a role in numerous developmental processes by controlling cell fate decisions. The Notch protein is a transmembrane receptor comprised of a large extracellular domain, a short transmembrane segment, and a smaller intracellular domain. When the Notch extracellular domain is activated by ligands, the intracellular domain is proteolytically cleaved, allowing it to translocate to the nucleus to alter gene expression. UCLA researchers have developed novel polyclonal antibodies against either the extracellular ligand-binding domain or the cleaved, "activated" Notch intracellular domain. These antibodies do not cross-react and can be used for a variety of applications, including immunoblot, immunoprecipitation, and immunohistochemistry.

APPLICATIONS

- ▶ This innovation allows the researcher to study the roles of Notch signaling in mouse and rat.

RELATED MATERIALS

- ▶ Lindsell CE, et al. Jagged: a mammalian ligand that activates Notch1. *Cell*. 80(6):909-17 (1995)

ADDITIONAL TECHNOLOGIES BY THESE INVENTORS

- ▶ [Tools for Induction and Measurement of Notch Signaling](#)

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INVENTORS

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OTHER INFORMATION

CATEGORIZED AS

- ▶ [Biotechnology](#)
- ▶ [Other](#)

RELATED CASES

2000-135-0

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