

Datasheet for ABIN1169006

anti-NOTCH2 antibody**2** Publications[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	NOTCH2
Reactivity:	Human, Mouse
Host:	Rat
Clonality:	Monoclonal
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Recombinant mouse Notch2:Fc .
Clone:	16F11
Isotype:	IgG1
Specificity:	Recognizes human and mouse endogenous Notch-2 receptor.
Cross-Reactivity:	Human, Mouse (Murine)
Purification:	Purified from concentrated hybridoma tissue culture supernatant.
Purity:	>95 % (SDS-PAGE)

Target Details

Target:	NOTCH2
Alternative Name:	Notch2 (NOTCH2 Products)
Background:	Notch signaling pathway regulates many different cell fate decisions in both vertebrate and

Target Details

invertebrate species. There are 5 canonical Notch ligands in mammals: Jagged-1, Jagged-2, DLL1, DLL3 and DLL4. These can bind to the four Notch receptors Notch 1-4. It is important for pattern formation during development such as neurogenesis, angiogenesis or myogenesis and regulates T cell development and stem cell maintenance. Notch signaling is also involved in cellular processes through-out adulthood. Signaling via Notch occurs between neighbouring cells and both the receptor and its ligands are transmembrane proteins.

UniProt: [O35516](#)

Pathways: [Notch Signaling](#), [Stem Cell Maintenance](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: In PBS containing 10 % glycerol and 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Short Term Storage: +4°C
Long Term Storage: -20°C
Stable for at least 1 year after receipt when stored at -20°C.

Expiry Date: 12 months

Publications

Product cited in: Rollins: "Chemokines." in: **Blood**, Vol. 90, Issue 3, pp. 909-28, (1997) ([PubMed](#)).

Ernst, Zhang, Hancock, Rutledge, Corless, Rollins: "Biochemical and biologic characterization of murine monocyte chemoattractant protein-1. Identification of two functional domains." in:

Journal of immunology (Baltimore, Md. : 1950), Vol. 152, Issue 7, pp. 3541-9, (1994) ([PubMed](#)).

Luo, Laning, Hayashi, Hancock, Rollins, Dorf: "Serologic analysis of the mouse beta chemokine JE/monocyte chemoattractant protein-1." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 153, Issue 8, pp. 3708-16, (1994) ([PubMed](#)).

Rollins, Morrison, Stiles: "Cloning and expression of JE, a gene inducible by platelet-derived growth factor and whose product has cytokine-like properties." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 85, Issue 11, pp. 3738-42, (1988) ([PubMed](#)).

Cochran, Reffel, Stiles: "Molecular cloning of gene sequences regulated by platelet-derived growth factor." in: **Cell**, Vol. 33, Issue 3, pp. 939-47, (1983) ([PubMed](#)).