

NOTCH2 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA4363
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human NOTCH2 (AA:extra 1391-1677) expressed in E. Coli.
Mol wt	265.4kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	FCM
Concentration	N/A
Full name	N/A
Synonyms	hN2;AGS2;HJCYS

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

This gene encodes a member of the Notch family. Members of this Type 1 transmembrane protein family share structural characteristics including an extracellular domain consisting of multiple epidermal growth factor-like (EGF) repeats, and an intracellular domain consisting of multiple, different domain types. Notch family members play a role in a variety of developmental processes by controlling cell fate decisions. The Notch signaling network is an evolutionarily conserved intercellular signaling pathway which regulates interactions between physically adjacent cells. In *Drosophila*, Notch interaction with its cell-bound ligands (delta, serrate) establishes an intercellular signaling pathway that plays a key role in development. Homologues of the Notch-ligands have also been identified in human, but precise interactions between these ligands and the human Notch homologues remain to be determined. This protein is cleaved in the trans-Golgi network, and presented on the cell surface as a heterodimer. This protein functions as a receptor for membrane bound ligands, and may play a role in vascular, renal and hepatic development. Two transcript variants encoding different isoforms have been found for this gene.

Recommended Dilution

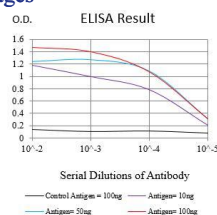
WB: 1:500 - 1:2000

FCM: 1:200 - 1:400

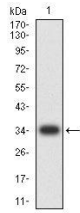
ELISA: 1:10000

Not yet tested in other applications.

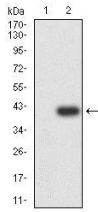
Images



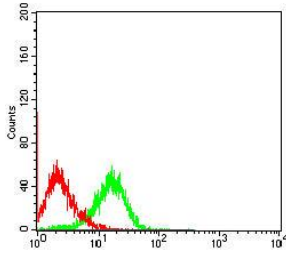
Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



Western blot analysis using NOTCH2 mAb against human NOTCH2 (AA:extra 1391-1677) recombinant protein. (Expected MW is 34.8 kDa)



Western blot analysis using NOTCH2 mAb against HEK293-6e (1) and NOTCH2 (AA:extra 1391-1677)-hIgGFc transfected HEK293-6e (2) cell lysate.



Flow cytometric analysis of Raji cells using NOTCH2 mouse mAb (green) and negative control (red).

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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