



Datasheet for ABIN2854343
anti-NOTCH2 antibody (C-Term)



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2 Images

1 Publication

Overview

Quantity:	100 µL
Target:	NOTCH2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NOTCH2 antibody is un-conjugated
Application:	Western Blotting (WB), ChIP DNA-Sequencing (ChIP-seq)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the C-terminus region of human NOTCH2. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Rat (Rattus)
Cross-Reactivity (Details):	Rat (89 %)
Characteristics:	Rabbit polyclonal antibody to NOTCH2 (Notch homolog 2 (Drosophila)) NOTCH2 antibody [C2], C-term
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target: NOTCH2

Alternative Name: NOTCH2 ([NOTCH2 Products](#))

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.

Cellular Localization: Cell membrane, Single-pass type I membrane protein , Notch 2 intracellular domain: Nucleus

Molecular Weight: 265 kDa

Gene ID: 4853

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

Application Details

Application Notes: Suggested dilution Reference Western blot 1:500-1:3000* ChIP-sequencing Assay-dependent dilution Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceWestern blot1:500-1:3000* ChIP-sequencingAssay-dependent dilution

Comment: Positive Control: A431 , HeLa , HepG2

Restrictions: For Research Use only

Handling

Format: Liquid

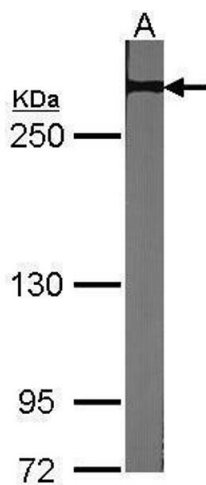
Handling

Concentration:	1 mg/mL
Buffer:	1XPBS, 40 % Glycerol (pH 7). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Publications

Product cited in: Rodriguez-Gil, Hu, Greer: "Dishevelled proteins are associated with olfactory sensory neuron presynaptic terminals." in: **PLoS ONE**, Vol. 8, Issue 2, pp. e56561, (2013) ([PubMed](#)).

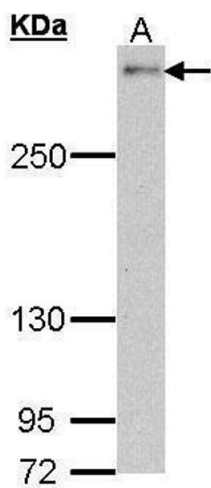
Validation report #104437 for Cleavage Under Targets and Release Using Nuclease (CUT&RUN)



Western Blotting

Image 1. WB Image Sample (30 ug of whole cell lysate)

A:NIH-3T3 5% SDS PAGE antibody diluted at 1:1000



Western Blotting

Image 2. WB Image Sample (30 ug of whole cell lysate) A:
Hela 5% SDS PAGE antibody diluted at 1:1000