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Datasheet for ABIN7207135

## anti-Notch1 antibody (Cleaved-Val1754)

### 2 Images

#### Overview

Quantity:	100 µL
Target:	Notch1 (NOTCH1)
Binding Specificity:	AA 1710-1790, Cleaved-Val1754
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Notch1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

#### Product Details

Purpose:	Cleaved-Notch 1 (V1754) Polyclonal Antibody
Immunogen:	Synthesized peptide derived from the Internal region of human Notch 1 at AA range: 1710-1790
Isotype:	IgG
Specificity:	Cleaved-Notch 1 (V1754) Polyclonal Antibody detects endogenous levels of fragment of activated Notch 1 protein resulting from cleavage adjacent to V1754.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen

#### Target Details

Target:	Notch1 (NOTCH1)
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## Target Details

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Alternative Name: Notch 1 ([NOTCH1 Products](#))

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Background: Rabbit Anti-Cleaved-Notch 1 (V1754) Polyclonal Antibody, NOTCH1, TAN1, Neurogenic locus notch homolog protein 1, Notch 1, hN1, Translocation-associated notch protein TAN-1, NOTCH1 encodes a member of the NOTCH family of proteins. Members of this Type I 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 signaling is an evolutionarily conserved intercellular signaling pathway that regulates interactions between physically adjacent cells through binding of Notch family receptors to their cognate ligands. The encoded preproprotein is proteolytically processed in the trans-Golgi network to generate two polypeptide chains that heterodimerize to form the mature cell-surface receptor. This receptor plays a role in the development of numerous cell and tissue types. Mutations in NOTCH1 are associated with aortic valve disease, Adams-Oliver syndrome, T-cell acute lymphoblastic leukemia, chronic lymphocytic leukemia, and head and neck squamous cell carcinoma., Neurogenic locus notch homolog protein 1

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Gene ID: 4851

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UniProt: [P46531](#)

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Pathways: [Notch Signaling](#), [Stem Cell Maintenance](#), [Regulation of Muscle Cell Differentiation](#), [Tube Formation](#), [Skeletal Muscle Fiber Development](#)

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## Application Details

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Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IF (1:50-1:300), IHC-P (1:50-1:300), ELISA (1:20000). Not yet tested in other applications.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: 1 mg/mL

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Buffer: PBS containing 50 % Glycerol, 0.5 % BSA and 0.02 % Sodium Azide.

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Preservative: Sodium azide

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

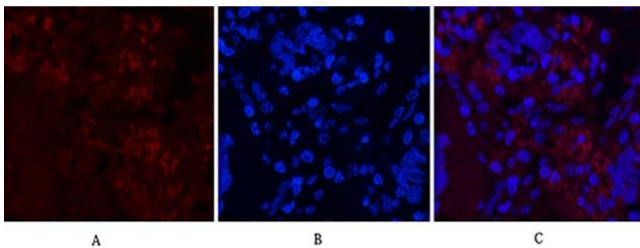
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## Handling

Storage: -20 °C

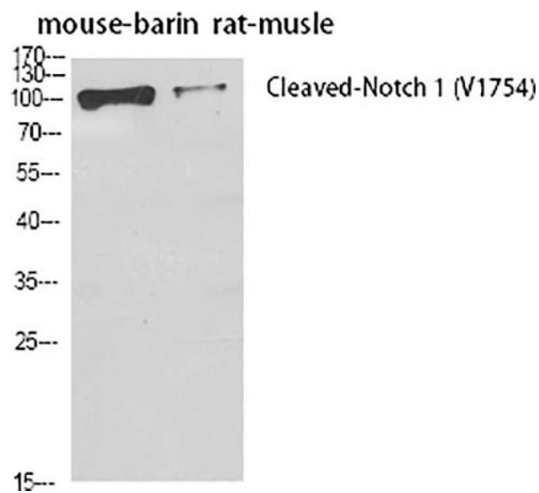
Storage Comment: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

## Images



### Immunofluorescence

**Image 1.** Immunofluorescence analysis of human lung cancer tissue. 1, Cleaved-Notch 1 (V1754) Polyclonal Antibody (red) was diluted at 1:200 (4 °C, overnight). 2, Cy3 Labeled secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.



### Western Blotting

**Image 2.** Western Blot analysis of mouse brain (1), rat muscle (2), diluted at 1:500.