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Datasheet for ABIN7251301

anti-Notch1 antibody (Cleaved-Val1754)

3 Images

Overview

Quantity:	200 µL
Target:	Notch1 (NOTCH1)
Binding Specificity:	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

Immunogen:	Synthesized peptide derived from the Internal region of human Notch 1
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	Notch1 (NOTCH1)
Alternative Name:	NOTCH1 (NOTCH1 Products)
Background:	This gene encodes a member of the Notch family. Members of this Type 1 transmembrane

Target Details

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 multiple roles during development.

Molecular Weight:	Observed_MW: 110 kDa Calculated_MW: 273 kDa
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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

Application Notes:	WB 1:500-2000, IHC 1:50-300, IF 1:50-300
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	1 mg/mL
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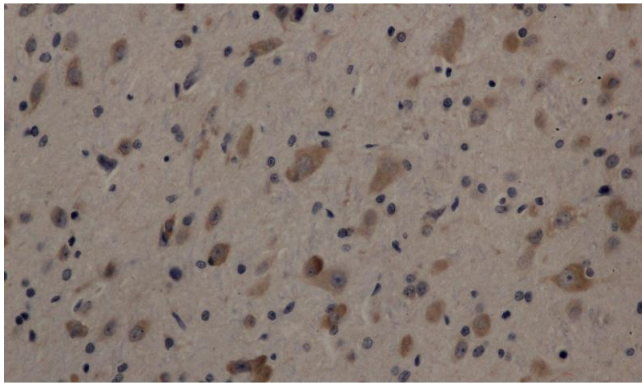
Buffer:	PBS with 0.02 % sodium azide, 0.5 % BSA and 50 % glycerol, pH 7.4
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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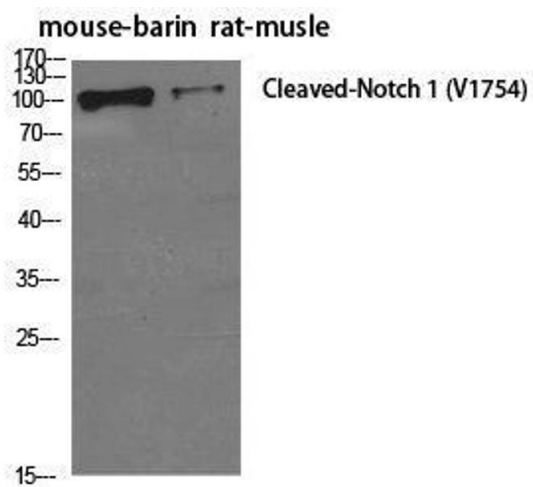
Storage:	-20 °C
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Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.
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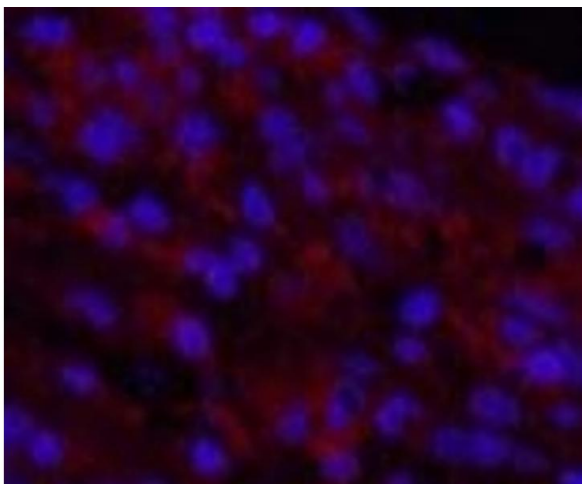
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded Rat brain using Cleaved-NOTCH1 (V1754) Polyclonal Antibody at dilution of 1:200



Western Blotting

Image 2. Western Blot analysis of Mouse brain, Rat muscle using Cleaved-NOTCH1 (V1754) Polyclonal Antibody at dilution of 1:500.



Immunofluorescence

Image 3. Immunofluorescence analysis of Human lung cancer tissue using Cleaved-NOTCH1 (V1754) Polyclonal Antibody at dilution of 1:200.