BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

# Anti-Notch1 Monoclonal Antibody

**Catalog Number:** M00033

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## Overview

| | |
|---|---|
| Product Name | Anti-Notch1 Monoclonal Antibody |
| Reactive Species | Human, Mouse, Rat |
| Description | Boster Bio Anti-Notch1 Monoclonal Antibody catalog # M00033. Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat. |
| Application | Flow Cytometry, IF, IHC, ICC, WB |
| Clonality | Monoclonal BGA-14 |
| Formulation | Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.<br>*This antibody is supplied in a stabilized formulation.<br>Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required. |
| Storage Instructions | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles. |
| Host | Rabbit |
| Uniprot ID | P46531 |

## Technical Details

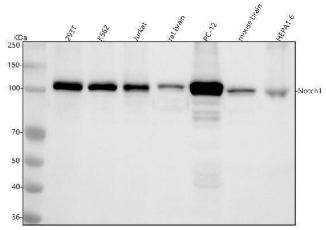
| | |
|---|---|
| Immunogen | A synthesized peptide derived from human Notch1 Functions as a receptor for membrane-bound ligands Jagged1, Jagged2 and Delta1 to regulate cell-fate determination. Upon ligand activation through the released notch intracellular domain (NICD) it forms a transcriptional activator complex with RBPJ/RBPSUH and activates genes of the enhancer of split locus. Affects the implementation of differentiation, proliferation and apoptotic programs. Involved in angiogenesis; negatively regulates endothelial cell proliferation and migration and angiogenic sprouting. |
| Isotype | Rabbit IgG |
| Form | Liquid |

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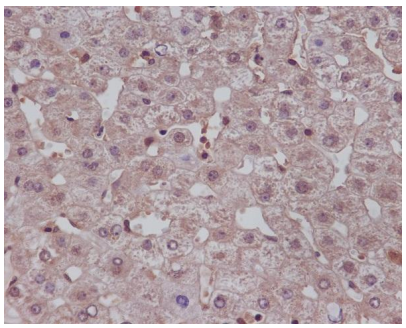
| | |
|---|---|
| Concentration | 0.5mg/ml |
| Purification | Affinity-chromatography |
| Suggested Dilutions | WB, 1:500-2000<br>IHC, 1:50-200<br>ICC/IF, 1:50-200<br>FC, 1:50 |

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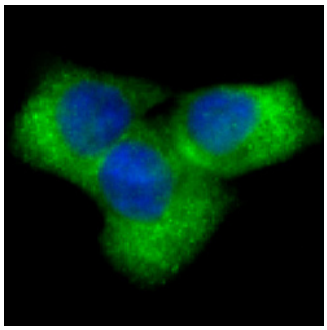
# Anti-Notch1 Monoclonal Antibody (M00033) Images




Western blot analysis of NOTCH1 using anti-NOTCH1 antibody (M00024-1). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: Human 293T whole cell lysates, Lane 2: Human K562 whole cell lysates, Lane 3: Human Jurkat whole cell lysates, Lane 4: rat brain tissue lysates, Lane 5: rat PC-12 whole cell lysates, Lane 6: mouse brain tissue lysates, Lane 7: mouse NIH/3T3 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-NOTCH1 antigen affinity purified monoclonal antibody (Catalog # M00024-1) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for NOTCH1 at approximately 110 kDa. The expected band size for NOTCH1 is at 273 kDa.



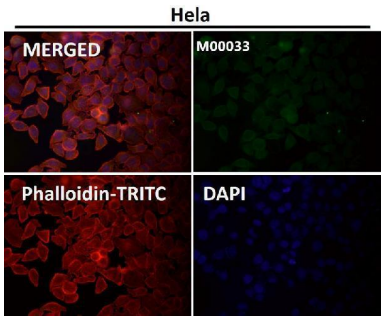
Immunohistochemical analysis of paraffin-embedded human liver, using Notch1 Antibody .



Immunofluorescent analysis of HeLa cells, using Notch1 Antibody.

Immunofluorescent analysis using the Antibody at 1:50 dilution.

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## 1 Publications Citing This Product

1. PubMed ID: 28713967, Involvement of Notch2 in all%u2011trans retinoic acid%u2011induced inhibition of mouse embryonic palate mesenchymal cell proliferation

Visit bosterbio.com/anti-notch1-antibody-m00033-boster.html to see all 1 publications.

Anti-Notch1 Monoclonal Antibody

For Research Use Only. Not for use in diagnostic procedures.