

## Anti-Notch1 Antibody

Catalog Number: PA1215

### About NOTCH1

Notch proteins are single-pass transmembrane receptors that regulate cell fate decisions during development. The Notch family includes 4 receptors, NOTCH1, NOTCH2, NOTCH3, and NOTCH4, whose ligands include JAG1, JAG2, DLL1), DLL3, and DLL4. Notch homolog 1, translocation-associated (NOTCH1), is a human gene encoding a single-pass transmembrane receptor. It functions as a receptor for membrane bound ligands, and may play multiple roles during development. NOTCH1 may normally coordinates the process of somitogenesis, and the activated Notch 1 and Notch 3 promote differentiation of progenitor cells into astroglia.

### Overview

Product Name	Anti-Notch1 Antibody
Reactive Species	Human
Description	Boster Bio Anti-Notch1 Antibody catalog # PA1215. Tested in WB applications. This antibody reacts with Human.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg NaN <sub>3</sub> .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P46531

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human Notch1.
Predicted Reactive Species	Hamster
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.

Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used: Western blot, 0.1-0.5ug/ml, Human</p>

## Anti-Notch1 Antibody (PA1215) Images



Anti-Notch1 antibody, PA1215, Western blotting  
All lanes: Anti Notch1 (PA1215) at 0.5ug/ml  
Lane 1: MCF-7 Whole Cell Lysate at 40ug  
Lane 2: HELA Whole Cell Lysate at 40ug  
Lane 3: JURKAT Whole Cell Lysate at 40ug  
Lane 4: COLO320 Whole Cell Lysate at 40ug  
Predicted bind size: 272KD  
Observed bind size: 272KD

## 1 Publications Citing This Product

1. PubMed ID: 25536154, Mi L, Chen Y, Zheng X, Li Y, Zhang Q, Mo D, Yang G. J Cell Biochem. 2015 Jul;116(7):1195-204. Doi: 10.1002/Jcb.25065. Microrna-139-5P Suppresses 3T3-L1 Preadipocyte Differentiation Through Notch And Irs1/Pi3K/Akt Insulin Signaling Pathways.

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