

## Anti-NOTCH4 Antibody Picoband®

Catalog Number: PA1831

### About NOTCH4

NOTCH4 (NOTCH, DROSOPHILA, HOMOLOG OF, 4) also known as INT3 or NOTCH3, FORMERLY, is a member of the Notch family. In situ hybridization revealed that Notch4 transcripts are primarily restricted to endothelial cells in embryonic and adult life, suggesting a specific role for Notch4 during development of vertebrate endothelium. The sequences of the mouse and human NOTCH4 proteins are 82% identical. Northern blot analysis revealed that NOTCH4 (S) is the major transcript and is expressed in a wide variety of tissues. Fluorescence in situ hybridization confirmed the location of the NOTCH4 gene at chromosome 6p21.3. In linkage disequilibrium mapping of the MHC region in 80 British parent-offspring trios, Wei and Hemmings (2000) found that NOTCH4 was highly associated with schizophrenia. Repression of Notch4 resolved ataxia and reversed the disease progression, demonstrating that Notch4 is not only sufficient to induce but also required to sustain the disease.

### Overview

Product Name	Anti-NOTCH4 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-NOTCH4 Antibody catalog # PA1831. Tested in WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg NaN <sub>3</sub> . *This antibody is supplied in a stabilized formulation. 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 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	Q99466

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human NOTCH4.
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	Western blot, 0.1-0.5ug/ml, Human

## Anti-NOTCH4 Antibody Picoband® (PA1831) Images



Anti-NOTCH4 antibody, PA1831, Western blotting  
All lanes:  
Anti NOTCH4 (PA1831) at 0.5ug/ml  
Lane 1: A549 Whole Cell Lysate at 40ug  
Lane 2: SMMC Whole Cell Lysate at 40ug  
Lane 3: HELA Whole Cell Lysate at 40ug  
Predicted bind size: 210KD  
Observed bind size: 210KD

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### Anti-NOTCH4 Antibody

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