

Anti-NOTCH4 Antibody (Monoclonal, 35N08)

Catalog Number: M02582-1

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 (Monoclonal, 35N08)
Reactive Species	Mouse
Description	Boster Bio Anti-NOTCH4 Antibody (Monoclonal, 35N08) catalog # M02582-1. Tested in WB, IP applications. This antibody reacts with Mouse.
Application	IP, WB
Clonality	Monoclonal 35N08
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. 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. 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	P31695

Technical Details

Immunogen	Synthetic peptide within Human NOTCH4 aa 1922-1958.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.

Suggested Dilutions

Western blot, 1:500-2000
ImmunoPrecipitation, 1:50

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