BT LAB
Bioassay Technology Laboratory
Optimize Your Research

Cleaved-Notch 1 (V1754) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP01953
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human Notch 1. AA range:1735-1784
Mol wt	272500
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IF, IHC-p, ELISA
Concentration	1 mg/ml
Full name	Cleaved-Notch 1 (V1754) Antibody
Synonyms	NOTCH1; TAN1; Neurogenic locus notch homolog protein 1; Notch 1; hN1; Translocation-associated notch protein TAN-1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

NOTCH1 encodes a member of the NOTCH family of proteins. Members of this Type I transmembrane 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 signaling is an evolutionarily conserved intercellular signaling pathway that regulates interactions between physically adjacent cells through binding of Notch family receptors to their cognate ligands. The encoded preproprotein is proteolytically processed in the trans-Golgi network to generate two polypeptide chains that heterodimerize to form the mature cell-surface receptor. This receptor plays a role in the development of numerous cell and tissue types. Mutations in NOTCH1 are associated with aortic valve disease, Adams-Oliver syndrome, T-cell acute lymphoblastic leukemia, chronic lymphocytic leukemia, and head and neck squamous cell carcinoma.

Recommended Dilution

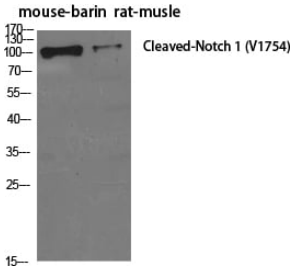
WB: 1: 500 - 2000

IHC-p: 1: 50 - 300

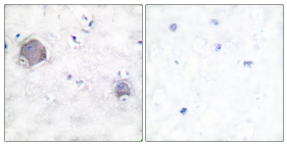
IF: 1: 50 - 300

Not yet tested in other applications.

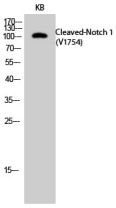
Images



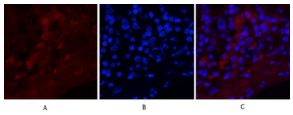
Western Blot analysis of various cells using Cleaved-Notch 1 (V1754) Polyclonal Antibody diluted at 1:500



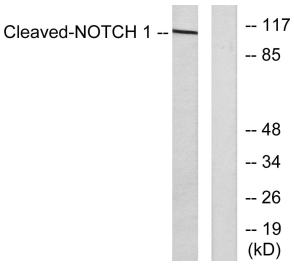
Immunohistochemistry analysis of paraffin-embedded human brain tissue, using Notch 1 (Cleaved-Val1754) Antibody. The picture on the right is blocked with the synthesized peptide.



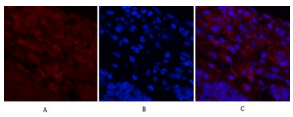
Western Blot analysis of KB cells using Cleaved-Notch 1 (V1754) Polyclonal Antibody diluted at 1:500



Immunofluorescence analysis of Human-lung-cancer tissue. 1,Cleaved-Notch 1 (V1754) Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Western blot analysis of lysates from NIH/3T3 cells, treated with Etoposide 25uM 60', using Notch 1 (Cleaved-Val1754) Antibody. The lane on the right is blocked with the synthesized peptide.



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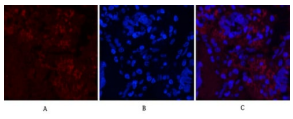

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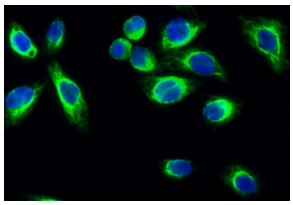

Immunofluorescence analysis of Hela cell. 1,Cleaved-Notch 1 (V1754) Polyclonal Antibody(green) was diluted at 1:200(4° overnight). 2, Goat Anti Rabbit Alexa Fluor 488 was diluted at 1:1000(room temperature, 50min). 3 DAPI(blue) 10min.

Storage

-20°C for one year

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