BT LAB
Bioassay Technology Laboratory
Optimize Your Research

Cleaved-Notch 2 (D1733) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP01955
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human Notch 2. AA range:1684-1733
Mol wt	265404
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	IF, WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	Cleaved-Notch 2 (D1733) Antibody
Synonyms	NOTCH2; Neurogenic locus notch homolog protein 2; Notch 2; hN2

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

Background

NOTCH2 encodes a member of the NOTCH family. Members of this Type 1 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 family members play a role in a variety of developmental processes by controlling cell fate decisions. The Notch signaling network is an evolutionarily conserved intercellular signaling pathway which regulates interactions between physically adjacent cells. In Drosophilia, notch interaction with its cell-bound ligands(delta, serrate) establishes an intercellular signaling pathway that plays a key role in development. Homologues of the notch-ligands have also been identified in human, but precise interactions between these ligands and the human notch homologues remain to be determined. Notch 2 is cleaved in the trans-Golgi network, and presented on the cell surface as a heterodimer. Notch 2 functions as a receptor for membrane bound ligands, and may play a role in vascular, renal and hepatic development. Two transcript variants encoding different isoforms have been found for NOTCH2.

Recommended Dilution

WB: 1: 500 - 1: 2000

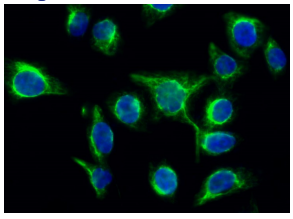
IHC: 1: 100 - 1: 300

ELISA: 1: 40000

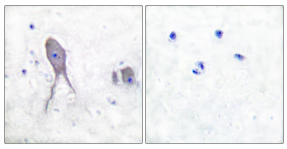
IF: 1: 50 - 200

Not yet tested in other applications.

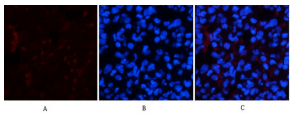
Images



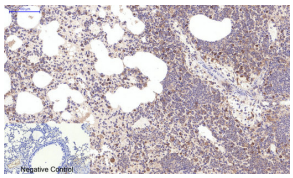
Immunofluorescence analysis of Hela cell. 1,Cleaved-Notch 2 (D1733) Polyclonal Antibody(green) was diluted at 1:200(4° overnight). 2, Goat Anti Rabbit Alexa Fluor 488 was diluted at 1:1000(room temperature, 50min). 3 DAPI(blue) 10min.



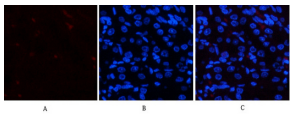
Immunohistochemistry analysis of paraffin-embedded human brain tissue, using Notch 2 (Cleaved-Asp1733) Antibody. The picture on the right is blocked with the synthesized peptide.



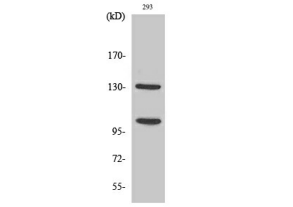
Immunofluorescence analysis of rat-lung tissue. 1,Cleaved-Notch 2 (D1733) Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



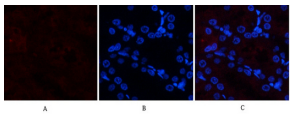
Immunohistochemical analysis of paraffin-embedded Mouse-lung tissue. 1,Cleaved-Notch 2 (D1733) Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



Immunofluorescence analysis of rat-kidney tissue. 1,Cleaved-Notch 2 (D1733) 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 293 cells using Cleaved-Notch 2 (D1733) Polyclonal Antibody diluted at 1:500



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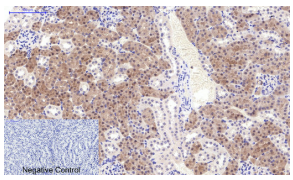
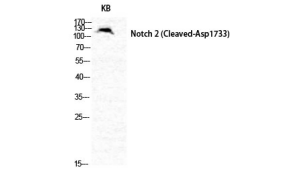
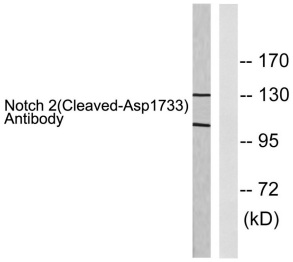


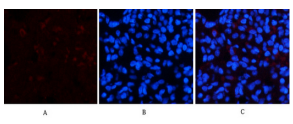
Immunohistochemical analysis of paraffin-embedded Mouse-kidney tissue. 1,Cleaved-Notch 2 (D1733) Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



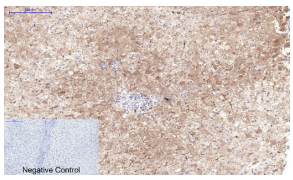
Western Blot analysis of various cells using Cleaved-Notch 2 (D1733) Polyclonal Antibody diluted at 1:500



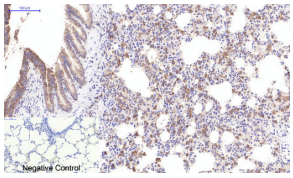
Western blot analysis of lysates from 293 cells, treated with TNF-a 20ng/ml 30', using Notch 2 (Cleaved-Asp1733) Antibody. The lane on the right is blocked with the synthesized peptide.



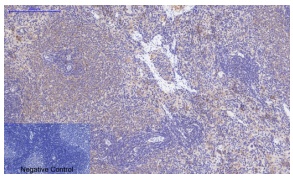
Immunofluorescence analysis of rat-lung tissue. 1,Cleaved-Notch 2 (D1733) Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Immunohistochemical analysis of paraffin-embedded Human-liver tissue. 1,Cleaved-Notch 2 (D1733) Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Rat-lung tissue. 1,Cleaved-Notch 2 (D1733) Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Rat-spleen tissue. 1,Cleaved-Notch 2 (D1733) Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.

Storage

-20°C for one year

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