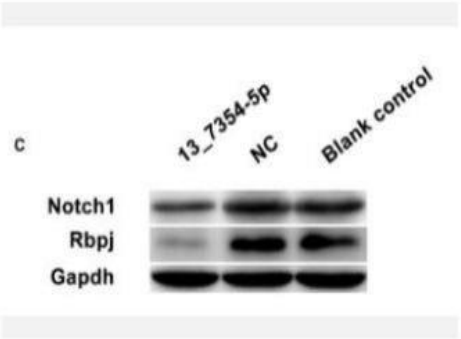
PRODUCT DATA SHEET

Cleaved-Notch 1 (V1754) Polyclonal Antibody

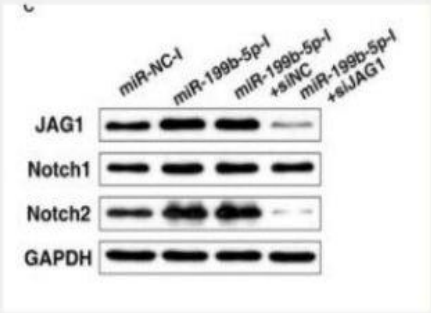
Catalog No.	IPB0065
Reactivity	Human; Mouse; Rat
Applications	WB; IF/ICC; IHC-p
Dilution	WB: 1:500-2000 IHC-p: 1:100-1:200 IF: 1:50-1:200
Gene Name	NOTCH1
Protein Name	Neurogenic locus notch homolog protein 1
Human Gene Id	4851
Swiss-Prot	P46531
Formulation	Liquid in PBS containing 50% glycerol, 05% BSA and 002% sodium azide
Source	Rabbit
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Concentration	1 mg/ml
Storage&Stability	-20°C/1 year
Subcellular Location	Cell membrane; Single-pass type I membrane protein [Notch 1 intracellular domain]: Nucleus Following proteolytical processing NICD is translocated to the nucleus Nuclear location may require MEGF10
MW	272500
Background	This gene 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 this gene are associated with aortic valve disease, Adams-Oliver syndrome, T-cell acute lymphoblastic leukemia, chronic lymph

Products Images:

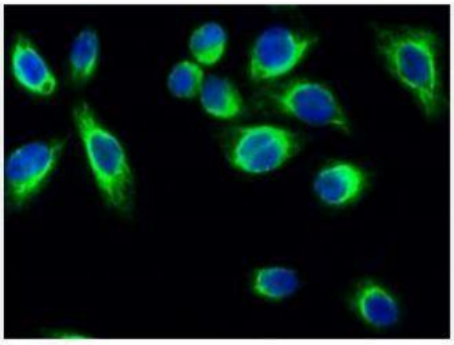
PRODUCT DATA SHEET



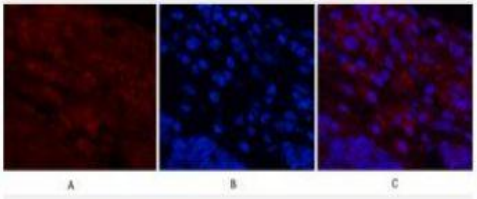
Zhao, Feng, et al. "Novel mouse miRNA Chr13_novelMiR7354-5p improves bone-marrow-derived mesenchymal stem cell differentiation into insulin-producing cells." Molecular Therapy-Nucleic Acids 19 (2020): 1110-1122.



Qu, Xiaochen, et al. "MiR-199b-5p inhibits osteogenic differentiation in ligamentum flavum cells by targeting JAG1 and modulating the Notch signalling pathway." Journal of cellular and molecular medicine 21.6 (2017): 1159-1170.



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 Catalog:RS3211 was diluted at 1:1000(room temperature, 50min). 3 DAPI(blue) 10min.



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

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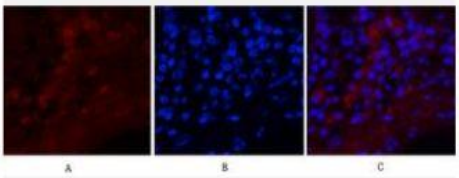

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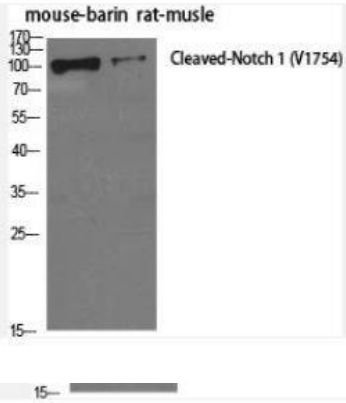
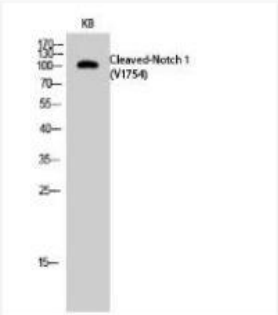
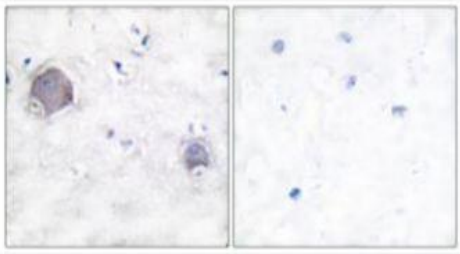


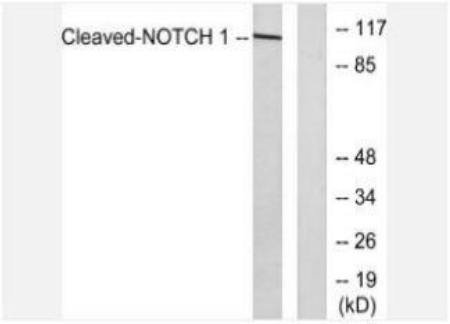
Western Blot analysis of various cells using Cleaved-Notch 1 (V1754) Polyclonal Antibody diluted at 1:500



Western Blot analysis of KB 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 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.