

Cleaved-Notch 2 (D1733) Polyclonal Antibody

Catalog # AP63144

Product Information

Application	WB, IHC-P, IF
Primary Accession	<u>Q04721</u>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	265405

Additional Information

Gene ID	4853
Other Names	NOTCH2; Neurogenic locus notch homolog protein 2; Notch 2; hN2
Dilution	WB~~IF: 1:50-200 Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications. IHC-P~~IF: 1:50-200 Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications. IF~~IF: 1:50-200 Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

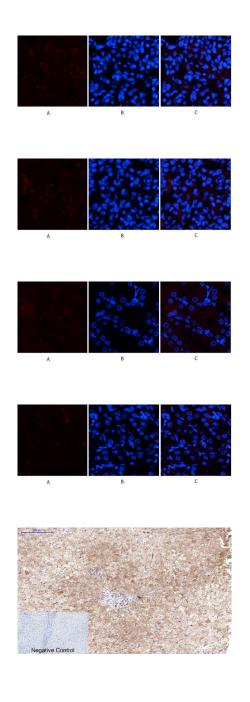
Protein Information

Name	NOTCH2 (<u>HGNC:7882</u>)
Function	Functions as a receptor for membrane-bound ligands Jagged-1 (JAG1), Jagged-2 (JAG2) and Delta-1 (DLL1) to regulate cell-fate determination. Upon ligand activation through the released notch intracellular domain (NICD) it forms a transcriptional activator complex with RBPJ/RBPSUH and activates genes of the enhancer of split locus (PubMed: <u>21378985</u> , PubMed: <u>21378989</u>). Affects the implementation of differentiation, proliferation and apoptotic programs (By similarity). Involved in bone remodeling and homeostasis. In collaboration with RELA/p65 enhances NFATc1 promoter activity and positively regulates RANKL-induced osteoclast differentiation (PubMed: <u>29149593</u>). Positively regulates self-renewal of liver cancer cells (PubMed: <u>25985737</u>).
Cellular Location	[Notch 2 extracellular truncation]: Cell membrane; Single-pass type I membrane protein

Background

Functions as a receptor for membrane-bound ligands Jagged-1 (JAG1), Jagged-2 (JAG2) and Delta-1 (DLL1) to regulate cell-fate determination. Upon ligand activation through the released notch intracellular domain (NICD) it forms a transcriptional activator complex with RBPJ/RBPSUH and activates genes of the enhancer of split locus (PubMed:<u>21378985</u>, PubMed:<u>21378989</u>). Affects the implementation of differentiation, proliferation and apoptotic programs (By similarity). Involved in bone remodeling and homeostasis. In collaboration with RELA/p65 enhances NFATc1 promoter activity and positively regulates RANKL- induced osteoclast differentiation (PubMed:<u>29149593</u>). Positively regulates self-renewal of liver cancer cells (PubMed:<u>25985737</u>).

Images



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

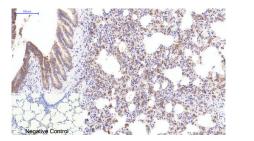
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Immunofluorescence analysis of rat-kidney tissue. 1,Cleaved-Notch 2 (D1733) Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min.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

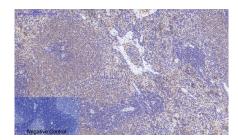
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Immunohistochemical analysis of paraffin-embedded Human-liver tissue. 1,Cleaved-Notch 2 (D1733) Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was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



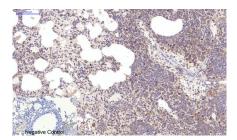
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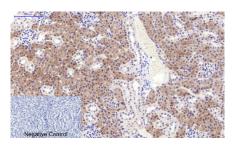


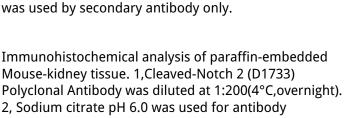
Immunohistochemical analysis of paraffin-embedded Rat-spleen tissue. 1,Cleaved-Notch 2 (D1733) Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control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

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

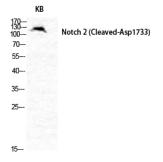






retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control

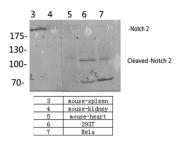
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Western Blot analysis of various cells using Cleaved-Notch 2 (D1733) Polyclonal Antibody diluted at 1:500

(kD) 170-130-95-72-55-

Western Blot analysis of 293 cells using Cleaved-Notch 2 (D1733) Polyclonal Antibody diluted at 1 : 500



The picture was kindly provided by our customer, antibody was diluted at 1:500

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.