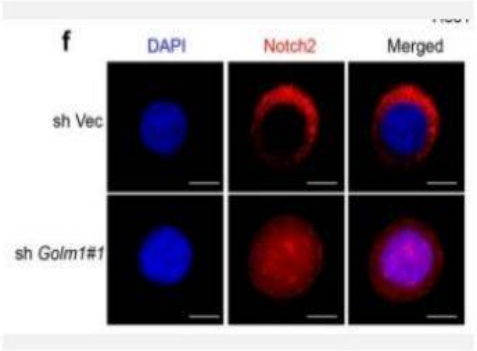
PRODUCT DATA SHEET

Cleaved-Notch 2 (D1733) Polyclonal Antibody

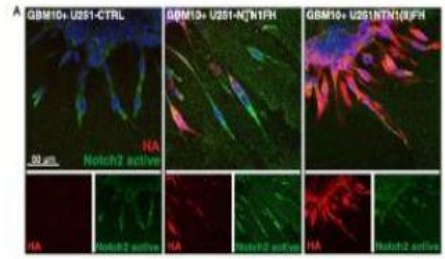
Catalog No.	IPB0109
Reactivity	Human; Mouse; Rat
Applications	IF/ICC; WB; IHC-p; ELISA
Dilution	IF: 1:50-200 WB: 1:500-1:2000 IHC: 1:50-1:200 ELISA: 1:40000
Gene Name	NOTCH2
Protein Name	Neurogenic locus notch homolog protein 2
Human Gene Id	4853
Swiss-Prot	Q04721
Formulation	Liquid in PBS containing 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	[Notch 2 extracellular truncation]: Cell membrane; Single-pass type I membrane protein [Notch 2 intracellular domain]: Nucleus Cytoplasm Following proteolytical processing NICD is translocated to the nucleus Retained at the cytoplasm by TCIM (PubMed:25985737)
MW	265404
Background	This gene 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

Products Images:

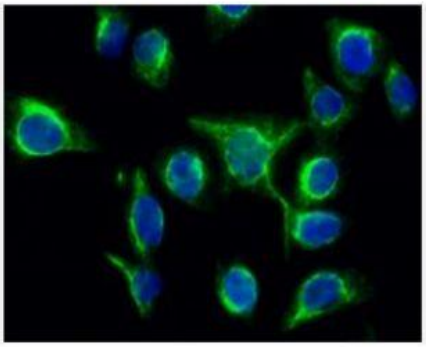
PRODUCT DATA SHEET



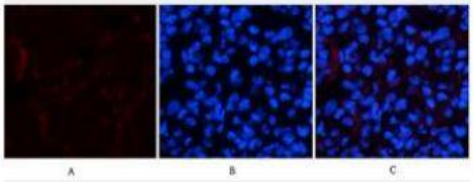
Pu, Y., Song, Y., Zhang, M. et al. GOLM1 restricts colitis and colon tumorigenesis by ensuring Notch signaling equilibrium in intestinal homeostasis. Sig Transduct Target Ther 6, 148 (2021).



Ylivinkka, Irene, et al. "Motility of glioblastoma cells is driven by netrin-1 induced gain of stemness." Journal of Experimental & Clinical Cancer Research 36.1 (2017): 9.



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



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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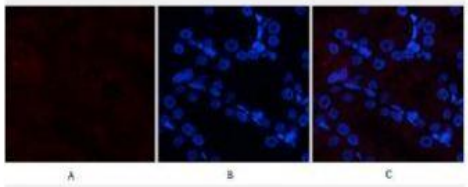
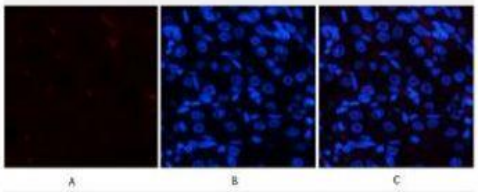


Immunofluorescence analysis of rat-kidney tissue. 1,Cleaved-Notch 2 (D1733) Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge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



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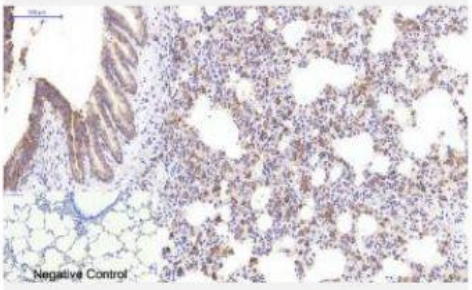
Immunohistochemical analysis of paraffin-embedded Human-liver tissue. 1,Cleaved-Notch 2 (D1733) Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative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

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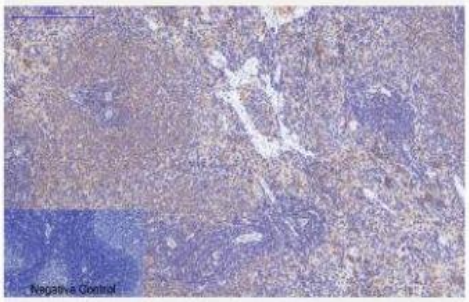
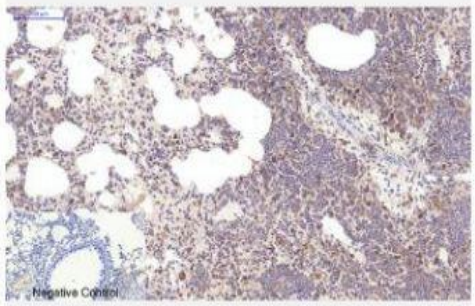
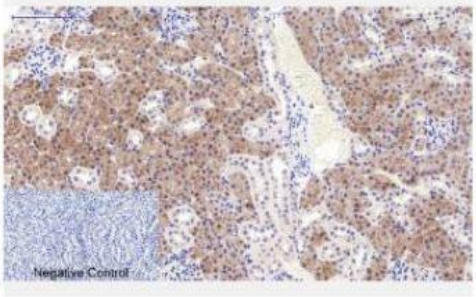


Immunohistochemical analysis of paraffin-embedded Rat-spleen tissue. 1,Cleaved-Notch 2 (D1733) Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control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



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

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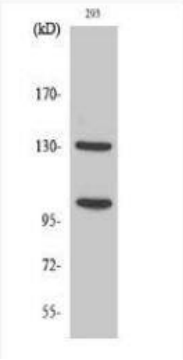
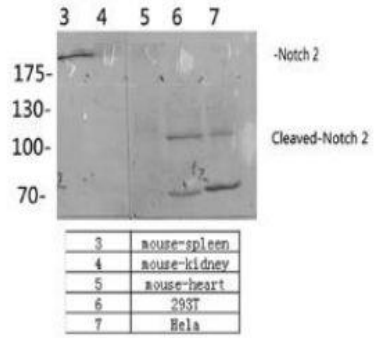
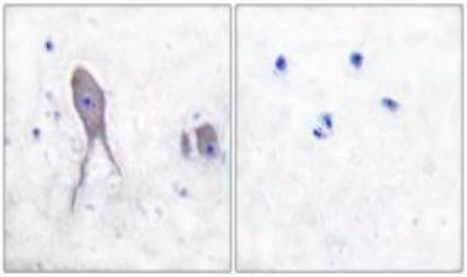


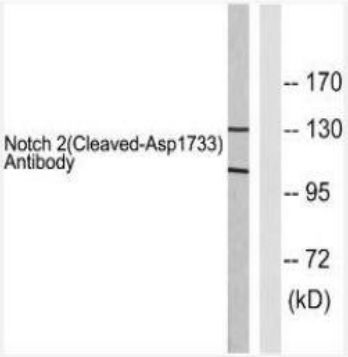
Western Blot analysis of 293 cells using Cleaved-Notch 2 (D1733) Polyclonal Antibody diluted at 1:500



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



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.



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.