

NOTCH2 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51394**Specification**

NOTCH2 Antibody - Product Information

Application	WB, ICC, IHC-P, E
Primary Accession	Q04721
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	100130 Da

NOTCH2 Antibody - Additional Information**Gene ID** 4853**Other Names**

Neurogenic locus notch homolog protein 2, Notch 2, hN2, Notch 2 extracellular truncation, Notch 2 intracellular domain, NOTCH2

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human NOTCH2. The exact sequence is proprietary.

Dilution

WB~~1:1000

ICC~~N/A

IHC-P~~N/A

E~~N/A

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

NOTCH2 Antibody - Protein Information**Name** NOTCH2 ([HGNC:7882](#))**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:21378985, PubMed:21378989). 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:29149593). Positively regulates self-renewal of liver cancer cells (PubMed:25985737).

Cellular Location

[Notch 2 extracellular truncation]: Cell membrane; Single-pass type I membrane protein

Tissue Location

Expressed in the brain, heart, kidney, lung, skeletal muscle and liver. Ubiquitously expressed in the embryo

NOTCH2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NOTCH2 Antibody - Images**NOTCH2 Antibody - Background**

Functions as a receptor for membrane-bound ligands Jagged1, Jagged2 and Delta1 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. 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.

NOTCH2 Antibody - References

Blaumueller C.M.,et al.Submitted (NOV-2000) to the EMBL/GenBank/DDBJ databases.
Correa R.G.,et al.Submitted (OCT-2000) to the EMBL/GenBank/DDBJ databases.
Gregory S.G.,et al.Nature 441:315-321(2006).
Lemasson I.,et al.Submitted (NOV-1996) to the EMBL/GenBank/DDBJ databases.
Stifani S.,et al.Nat. Genet. 2:119-127(1992).