

NOTCH2 / NOTCH-2 Antibody (aa2457-2471)
Rabbit Polyclonal Antibody
Catalog # ALS12812**Specification****NOTCH2 / NOTCH-2 Antibody (aa2457-2471) - Product Information**

Application	IHC
Primary Accession	Q04721
Reactivity	Human, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	265kDa KDa

NOTCH2 / NOTCH-2 Antibody (aa2457-2471) - 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 comprising amino acids 2457 - 2471 [THMSEPPHNNMQVYA] of the human NOTCH homolog 2 (NOTCH2) protein.

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

NOTCH2 / NOTCH-2 Antibody (aa2457-2471) is for research use only and not for use in diagnostic or therapeutic procedures.

NOTCH2 / NOTCH-2 Antibody (aa2457-2471) - 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:29149593).

href="http://www.uniprot.org/citations/25985737" target="_blank">25985737).

Cellular Location

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

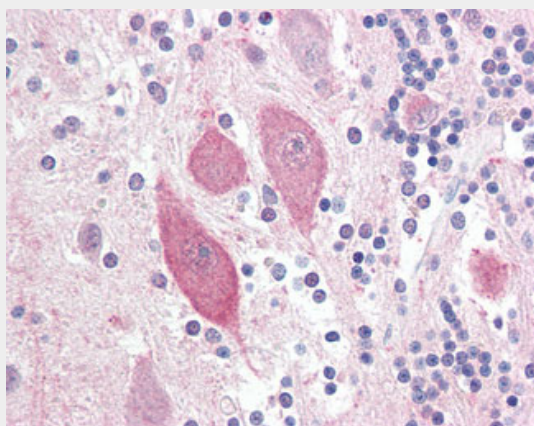
Tissue Location

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

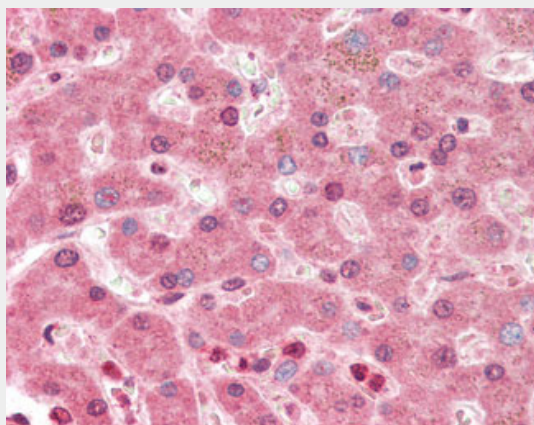
NOTCH2 / NOTCH-2 Antibody (aa2457-2471) - Protocols

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

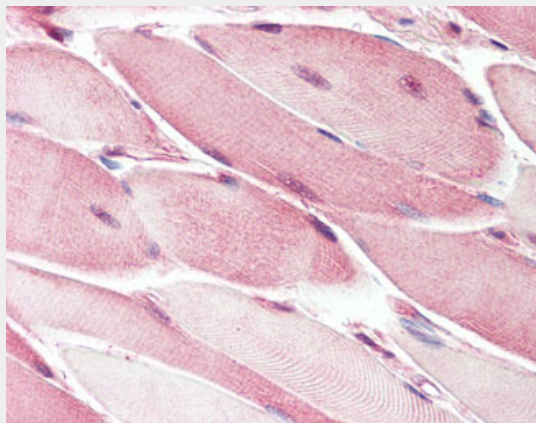
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NOTCH2 / NOTCH-2 Antibody (aa2457-2471) - Images

Anti-NOTCH2 antibody IHC of human brain, cerebellum.



Anti-NOTCH2 antibody IHC of human liver.



Anti-NOTCH2 antibody IHC of human skeletal muscle.

NOTCH2 / NOTCH-2 Antibody (aa2457-2471) - 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 / NOTCH-2 Antibody (aa2457-2471) - 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).