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Anti-NOTCH2 Antibody

Catalog # AP51395

Product Information

Application	WB
Primary Accession	Q04721
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	265405

Additional Information

Gene ID	4853
Other Names	Neurogenic locus notch homolog protein 2; Notch 2; hN2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human NOTCH2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

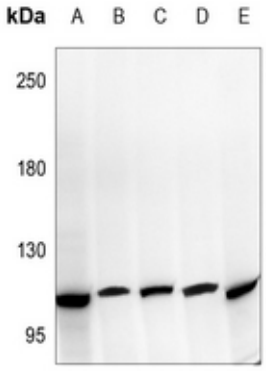
Name	NOTCH2 (HGNC:7882)
Function	Functions as a receptor for membrane-bound ligands Jagged-1 (JAG1), Jagged-2 (JAG2) and Delta-1 (DLL1) to regulate cell-fate determination. Upon ligand activation through the released notch intracellular domain (NICD) it forms a transcriptional activator complex with 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

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).

Images



Western blot analysis of NOTCH2 expression in HEK293T (A), HepG2 (B), H1792 (C), H9C2 (D), AML12 (E) whole cell lysates. (Predicted band size: 265 kD; Observed band size: 110 kD)

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