



# Armenian Hamster Anti-Mouse Notch4 Monoclonal antibody, clone HMN4-14 (CABT-L4423)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

**Product Overview** The HMN4-14 monoclonal antibody reacts with mouse neurogenic locus notch homolog 4 (Notch4) a member of the Notch family of type 1 transmembrane proteins.

**Target** Mouse Notch4

**Immunogen** Notch4-Fc recombinant protein

**Isotype** IgG, κ

**Source/Host** Armenian Hamster

**Species Reactivity** Mouse

**Clone** HMN4-14

**Purification** Protein G purified.  
Purity>95%. Determined by SDS-PAGE

**Conjugate** Functional Grade

**Applications** in vitro Notch4 stimulation, FC

**Molecular Weight** 150 kDa

**Format** 0.2 µM filtered liquid. Purified from tissue culture supernatant in an animal free facility

**Concentration** Lot specific

**Size** 5 mg

<b>Buffer</b>	PBS, pH 7.0. Contains no stabilizers or preservatives. [low endotoxin azide-free]
	Endotoxin level: <2EU/mg (<0.002EU/μg). Determined by LAL gel clotting assay
	Related dilution buffer: CABT-LB04
<b>Preservative</b>	None
<b>Storage</b>	The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	The HMN4-14 monoclonal antibody reacts with mouse neurogenic locus notch homolog 4 (Notch4) a member of the Notch family of type 1 transmembrane proteins. The Notch signaling pathway is a highly conserved intercellular signaling pathway. Five Notch ligands have been identified including DLL4 and Jagged2. Upon ligand binding the Notch receptor undergoes proteolysis and translocates to the nucleus ultimately activating transcription. The Notch pathway has been shown to play a role in myeloid cell proliferation, hematopoiesis, and embryonic endothelial development.
---------------------	--

<b>Keywords</b>	NOTCH4;notch 4;N4;Int3;Int-3;neurogenic locus notch homolog protein 4;Notch gene homolog 4;
-----------------	---

## GENE INFORMATION

<b>Official Symbol</b>	notch 4
<b>Synonyms</b>	NOTCH4; notch 4; N4; Int3; Int-3; neurogenic locus notch homolog protein 4; Notch gene homolog 4;
<b>References</b>	Murata, A., et al. (2014). "An evolutionary-conserved function of mammalian notch family members as cell adhesion molecules." PLoS One 9(9): e108535. PubMed;