



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

Buffer	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
Preservative	None
Storage	The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	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.
Keywords	NOTCH4; notch 4; N4; Int3; Int-3; neurogenic locus notch homolog protein 4; Notch gene homolog 4;

GENE INFORMATION

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