Cross-Reactivity Key

Trademarks and Patents

H: Human

more information.

Notch4 (L5C5) Mouse mAb



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Applications: W, IP	Reactivity: H	Sensitivity: Transfected Only	MW (kDa): 80 cleaved. 230 full-length.	Source/Isotype: Mouse IgG1	UniProt ID: #Q99466	Entrez-Gene Id: 4855
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:50	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		Notch4 (L5C5) Mouse mAb detects levels of the transfected intracellular region of human Notch4 protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a recombinant protein consisting of the Ankyrin repeat domain of human Notch4.				
Background		development and the assembled as heterod domain, a single-pass domain, NICD) (2). Bir heterodimer dissociat NICD, which transloca Notch4 is primarily ex Notch4 gene (also kno	determination of ce dimeric proteins, with stransmembrane do nding of Notch recep tion, exposing the re ates to the nucleus an expressed in endothel own as Int-3) is a free	ransmembrane receptor la fate (1). Mature Notch in each dimer composed main, and a smaller cytors to ligands of the Disceptors to proteolytic conditional activates transcriptional cells and is processed quent target in Mouse Notcellular domain of Notce	n receptors are proof of a large extracel oplasmic subunit (I elta-Serrate-Lag2 (I leavages; these res on of downstream t d similarly to Notch Mammary Tumour \	tessed and lular ligand-binding Notch intracellular DSL) family triggers ult in release of the target genes (3,4). 11 (5-7). The mouse Wirus (MMTV)-
Background References		 Artavanis-Tsakonas, S. et al. (1999) Science 284, 770-6. Chan, Y.M. and Jan, Y.N. (1998) Cell 94, 423-6. Schroeter, E.H. et al. (1998) Nature 393, 382-6. Rand, M.D. et al. (2000) Mol Cell Biol 20, 1825-35. Uyttendaele, H. et al. (1996) Development 122, 2251-2259. Shirayoshi, Y. et al. (1997) Genes Cells 2, 213-224. Baron, M. (2003) Semin. Cell Dev. Biol. 14, 113-119. Gallahan, D. and Callahan, R. (1997) Oncogene 14, 1883-1890. Sun, Y. et al. (2005) Oncogene 24, 5365-5374. 				
Species Reactivi	ty	Species reactivity is de	etermined by testing	in at least one approve	ed application (e.g.,	western blot).
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.				
Applications Key		W: Western Blotting IP: Immunoprecipitation				

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