2423 Store at -20C

Notch4 (L5C5) Mouse mAb



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Applications: F WB, 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	•	plication			Dilution	
		stern Blotting			1:1000	
	Imr	nunoprecipitation			1:50	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/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	deve as h sing (2). diss tran: Note Note	elopment and the of the terrodimeric prote le-pass transmem Binding of Notch re ociation, exposing slocates to the nuclease that is primarily exp that gene (also knowns	determination of cellins, with each dime brane domain, and eceptors to ligands the receptors to procleus and activates pressed in endotheling was Int-3) is a fre	transmembrane recept I fate (1). Mature Notel or comprised of a large a smaller cytoplasmic of the Delta-Serrate-Lapteolytic cleavages; the transcription of downstial cells and is processiquent target in Mouse domain of Notch4 binds	n receptors are proces extracellular ligand-bi subunit (Notch intrace ag2 (DSL) family trigge ese result in release of tream target genes (3, led similarly to Notch1 Mammary Tumour Vii	sed and assembled nding domain, a llular domain, NICD) ers heterodimer the NICD, which 4). (5-7). The mouse rus (MMTV)-induced
Background Referen	2. C 3. S 4. R 5. U 6. S 7. B 8. G	 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 Reactivity

Species reactivity is determined by testing in at least one approved 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

WB: Western Blotting IP: Immunoprecipitation

Cross-Reactivity Key

H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse

GP: Guinea Pig Rab: rabbit All: all species expected

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Limited Uses

Notch4 (L5C5) Mouse mAb (#2423) Datasheet Without Images Cell Signaling Technology

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