e at -20C	Notch3 (D11B8) Rabbit mAb		Cell Signaling
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Applications: WB, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 90, 270	Source/Isotype: Rabbit IgG	UniProt ID: #Q9UM47	Entrez-Gene Id: 4854	
Product Usage Information		pplication estern Blotting munoprecipitation			Dilution 1:1000 1:200		
Storage				7.5), 150 mM NaCl, 100 not aliquot the antibody		erol and less than	
Specificity / Sens	bot	Notch3 (D11B8) Rabbit mAb detects endogenous levels of total Notch3 protein. The antibody recognizes both full-length (FL) Notch3 at 270 kDa and a truncated protein (NTM) containing a short extracellular region, the transmembrane domain and the intracellular region at 90 kDa.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Glu2312 of human Notch3 protein.					
Background Background Refe	dev as sin (2). dis: trar Noi arte ext and (6-8	velopment and the dei heterodimeric proteins gle-pass transmembra . Binding of Notch rec sociation, exposing the hislocates to the nucle tch3 is a member of the erial smooth muscle c racellular region are a d leukoencephalopath	termination of ce s, with each dim ane domain, and eptors to ligands he receptors to p us and activates he Notch family cells (SMC). Mut associated with o by (CADASIL), a licate that Notch	f transmembrane recept ell fate (1). Mature Notch er comprised of a large d a smaller cytoplasmic s of the Delta-Serrate-La roteolytic cleavages; the s transcription of downst and is processed similar ations altering the numb cerebral autosomal dom hereditary angiopathy le 3 is overexpressed in m <i>cience</i> 284, 770-6.	n receptors are process extracellular ligand-bir subunit (Notch intracel ag2 (DSL) family trigge ese result in release of ream target genes (3, to Notch1 (5). It is exp er of cysteine residues inant arteriopathy with eading to strokes and o	sed and assembled nding domain, a lular domain, NICD) rs heterodimer the NICD, which 4). pressed primarily in s in the Notch3 subcortical infarcts dementia in adults	
	2. C 3. S 4. F 5. E 6. k 7. k 8. N 9. F 10. C	Chan, Y.M. and Jan, Y Schroeter, E.H. et al. (Rand, M.D. et al. (200 Baron, M. (2003) <i>Sem</i> Kalimo, H. et al. (2002 Karlström, H. et al. (2007) Park, J.T. et al. (2007) Gramantieri, L. et al. (2007) Gramaguchi, N. et al. (2007)	(1998) Nature 39 0) Mol Cell Biol in Cell Dev Biol 2) Brain Pathol 1 002) Proc Natl A) Hum Mol Gene Cancer Res 66 2007) Liver Int 2	93, 382-6. 20, 1825-35. 14, 113-9. 2, 371-84. <i>cad Sci U S A</i> 99, 17119 <i>et</i> 16, 982-92. , 6312-8. 7, 997-1007.	9-24.		
Species Reactivity Western Blot Buffer		cies reactivity is deter	rmined by testing	g in at least one approve	ed application (e.g., we	estern blot).	
		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 WB	: Western Blotting IP	: Immunoprecipi	tation			
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

Notch3 (D11B8) Rabbit mAb (#5276) Datasheet Without Images Cell Signaling Technology

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