## Notch3 Antibody Orders: Support:





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Applications: W, IP	Reactivity: H	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 90, 270	Source/Isotype: Rabbit	UniProt ID: #Q9UM47	Entrez-Gene Id: 4854		
Product Usage Information		<b>Application</b> Western Blotting Immunoprecipitation			<b>Dilution</b> 1:1000 1:50			
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.						
Specificity/Sen	sitivity	Notch3 Antibody 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 / Purific	cation	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Pro2311 of human notch3. Antibodies were purified by protein A and peptide affinity chromatography.						
Background		Notch proteins (Notch1-4) are a family of transmembrane receptors that play important roles in development and the determination of cell fate (1). Mature Notch receptors are processed and assembled as heterodimeric proteins, with each dimer composed of a large extracellular ligand-binding domain, a single-pass transmembrane domain, and a smaller cytoplasmic subunit (Notch intracellular domain, NICD) (2). Binding of Notch receptors to ligands of the Delta-Serrate-Lag2 (DSL) family triggers heterodimer dissociation, exposing the receptors to proteolytic cleavages; these result in release of the NICD, which translocates to the nucleus and activates transcription of downstream target genes (3,4).						
		Notch3 is a member o arterial smooth muscl extracellular region ar infarcts and leukoence in adults (6-8). Recent	f notch family and e cells (SMC). Muta e associated with c ephalopathy (CADA studies indicates th	processed similar to noto cions altering the numbe erebral autosomal domin SIL), a hereditary angiop nat notch3 is overexpress	ch1 (5). It is express r of cysteine residu nant arteriopathy w athy leading to stro red in many types o	ed primarily in les in the notch3 vith subcortical okes and dementia of cancers (9-11).		
Background Re	eferences	1. Artavanis-Tsakonas, 2. Chan, Y.M. and Jan, 3. Schroeter, E.H. et al. 4. Rand, M.D. et al. (20 5. Baron, M. (2003) <i>Ser</i> 6. Kalimo, H. et al. (200 7. Karlström, H. et al. (200 9. Park, J.T. et al. (2006 10. Gramantieri, L. et al 11. Yamaguchi, N. et al	S. et al. (1999) <i>Scie</i> Y.N. (1998) <i>Cell</i> 94, (1998) <i>Nature</i> 393, 00) <i>Mol Cell Biol</i> 20 02) <i>Brain Pathol</i> 12, 2002) <i>Proc Natl Acc</i> 2007) <i>Hum Mol Genet</i> ) <i>Cancer Res</i> 66, 63 al. (2007) <i>Liver Int</i> 2 I. (2008) <i>Cancer Res</i>	nce 284, 770-6. 423-6. 382-6. , 1825-35. 4, 113-9. 371-84. ad Sci USA 99, 17119-24. 16, 982-92. 12-8. 7, 997-1007. 5 68, 1881-8.				
Species Reactiv	vity	Species reactivity is de	termined by testin	g in at least one approve	d application (e.g.,	western blot).		
Western Blot B	uffer	IMPORTANT: For west dry milk, 1X TBS, 0.1%	ern blots, incubate Tween® 20 at 4°C	membrane with diluted primary antibody in 5% w/v nonfat with gentle shaking, overnight.				
Applications K	ey	W: Western Blotting IP: Immunoprecipitation						
Cross-Reactivit	у Кеу	H: Human						
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