Store at -20C

155

#

Jagged1 (1C4) Rabbit mAb		Cell Signaling		
	Orders:	877-616-CELL (2355) orders@cellsignal.com		
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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 180	Source/Isotype: Rabbit IgG	UniProt ID: #P78504	Entrez-Gene Id 182	
Product Usage Information	•	Application Western Blotting			Dilution 1:1000		
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.					
		Jagged1 (1C4) Rabbit with Jagged2.	gged1 (1C4) Rabbit mAb detects endogenous level of total Jagged1 protein. It does not cross-react th Jagged2.				
Source / Purifi	cation	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gly867 (extracellular region) of human Jagged1.					
Background		Serrate, Lag2) proteir EGF-like repeats and been identified in ma Notch receptor result and the γ-secretase c nucleus where it activ suggesting a bi-direc Mutation in Jagged1 characterized by abn	ns of single-pass typ a DSL domain that is ammals: Jagged1, Jac ts in two sequential complex. The intrace vates transcription. I tional signaling thro is associated with Al ormal development on form of complex of	ement of the Notch rece e I membrane proteins. s required for binding to gged2, Delta-like (DLL) 1 proteolytic cleavages of llular domain of Notch is Notch ligands may also 1 ough receptor-ligand into agille syndrome, an aut of liver, heart, skeleton, congenital heart disease irrence (10).	The DSL proteins control of the transformed proteins of the receptor by the seleased and there processed in a weractions (4-6). The transformed processed of the receptor by the processed of the	ontain multiple SL proteins have I binding to the ADAM protease translocates to the ay similar to Notch lisorder and Tetralogy of	
Background References		1. Wilson, A. and Rad 2. Hansson, E.M. et al 3. Chiba, S. (2006) <i>Ste</i> 4. Bland, C.E. et al. (20 5. Six, E. et al. (2003) 6. LaVoie, M.J. and Se 7. Li, L. et al. (1997) <i>N</i> 8. Röpke, A. et al. (20) 9. Eldadah, Z.A. et al. 10. Santagata, S. et al	I. (2004) <i>Semin. Can</i> em Cells 24, 2437-24 003) <i>J. Biol. Chem.</i> 2' <i>Proc. Natl. Acad. Sci.</i> Ikoe, D.J. (2003) <i>J. Bi</i> <i>lat. Genet.</i> 16, 243-2: 03) <i>Hum. Mutat.</i> 21, (2001) <i>Hum. Mol. G</i>	<i>cer Biol.</i> 14, 320-328. 47. 78, 13607-13610. <i>USA</i> 100, 7638-7643. <i>ol. Chem.</i> 278, 34427-34 51. 100. <i>enet.</i> 10, 163-169.	437.		
Species Reacti	vity	Species reactivity is d	letermined by testin	g in at least one approve	ed application (e.g.,	western blot).	
Western Blot E	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 K	ey	W: Western Blotting					
Cross-Reactivi	ty Key	H: Human					
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