Store at -20C

#8863

Jak3 (D7B12) Rabbit mAb		Cell Signaling	
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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, W-S	<b>Reactivity:</b> H M R	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 115	<b>Source/Isotype:</b> Rabbit IgG	<b>UniProt ID:</b> #P52333	Entrez-Gene Id: 3718		
Product Usage Information		<b>Application</b> Western Blotting Simple Western™			<b>Dilution</b> 1:1000 1:10 - 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/Sensi	itivity	Jak3 (D7B12) Rabbit mAb recognizes endogenous levels of total Jak3 protein.						
Source / Purifica	ition	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human Jak3 protein.						
Background		binding to a number proteins become auto binding sites for sign insulin receptor subs phospho-tyrosine-bir Jak3 is primarily expr development (6-8). It several cytokines incl	of associated cytoki ophosphorylated an aling proteins. Thes trates (4), and focal iding domains. essed in hematopoie binds to the commo uding IL-2, IL-4, IL-7 e loss of Jak3 (10,11	kinases (Jak1, Jak2, Jak3, ne receptors (1). Upon o d phosphorylate their a e associated signaling p adhesion kinase (FAK) (s etic cells and is requirec on γ subunit (γc), a sharo , IL-9, and IL-15 (9). IL-2 ). Jak3 is phosphorylate ).	cytokine receptor ac ssociated receptors proteins, such as Sta 5), typically contain I for immune cell fu ed receptor subunit signaling and Stat	tivation, Jak to provide multiple (2), Shc (3), SH2 or other nction and also used by activation are		
Background Ref	erences	1. Leonard, W.J. and C 2. Darnell, J.E. (1997) 3. VanderKuur, J. et al 4. Argetsinger, L.S. et 5. Zhu, T. et al. (1998) 6. Thomis, D.C. et al. (1998) 6. Thomis, D.C. et al. (1998) 9. Russell, S.M. et al. (1999) 9. Russell, S.M. et al. (1999) 10. Johnston, J.A. et al 11. Oakes, S.A. et al. (1991) 12. Zhou, Y.J. et al. (1991) 13. Cheng, H. et al. (2001)	Science 277, 1630-5. . (1995) J Biol Chem al. (1995) J Biol Chem J Biol Chem 273, 10 (1995) Science 270, 70 (1995) Science 270, 80 (1995) Science 270, 80 (1994) Science 266, 7 (1994) Science 266, 7 (1994) Nature 370 (1996) Immunity 5, 6 (1997) Proc Natl Acad (008) Mol Cell Biol 28 (1992) Science 268 (1996) Science 270 (1996) Scie	270, 7587-93. m 270, 14685-92. 682-9. 794-7. 0-2. 82. 1042-5. 151-3. 05-15. <i>Sci USA</i> 94, 13850-5. 8, 2271-82.	3-322.			
Species Reactivi	ty	Species reactivity is d	etermined by testin	g in at least one approv	ed application (e.g.,	western blot).		
Western Blot Bu	ffer			ate membrane with diluted primary antibody in 5% w/v BSA, 1X tle shaking, overnight.				
Applications Key W: Western Blotting W-S: Simple Western™								
Cross-Reactivity	Key	H: Human M: Mouse	louse <b>R:</b> Rat					
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