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Syk Antibody		Ell Signaling
Store	Orders:	877-616-CELL (2355) orders@cellsignal.com
2	Support:	877-678-TECH (8324)
#2712	Web:	info@cellsignal.com cellsignal.com
#	3 Trask Lane   Danvers   Ma	assachusetts   01923   USA

## For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: R WB	Reactivity: Sensitivit H M Endogeno		Source: Rabbit	<b>UniProt ID:</b> #P43405	Entrez-Gene Id: 6850
Product Usage Information	Application Western Blotting			<b>Dilution</b> 1:1000	
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 / Sensitivi		Syk Antibody detects endogenous levels of total Syk protein. It does not cross-react with other members of the Syk/Zap-70 tyrosine kinase family.			
Species predicted to react based on 100% sequence homology:					
Source / Purification				h a synthetic peptide con fied by protein A and pep	
Background	hematopoietic cell located in the cyto downstream signa differentiation, and investigators have Tyr323 is a negati Phosphorylation a involved in the ass	s (1-3). Syk interacts w plasmic domains of im ling events that mediat l phagocytosis (4). The indicated that Syk is a ve regulatory phosphor t Tyr323 provides a dire sociation of PLCy1 (8). tosphorylation at Tyr52	vith immunoreceptor to mune receptors (4). It te diverse cellular resp re is also evidence of potential tumor supp rylation site within the ect binding site for the Tyr525 and Tyr526 an	intracellular signal transf yrosine-based activation t couples the activated in ponses, including prolife f a role for Syk in nonimr ressor in human breast of SH2-kinase linker region e TKB domain of Cbl (6,7 re located in the activatio fequivalent to Tyr519/520	motifs (ITAMs) nmunoreceptors to ration, nune cells and carcinomas (5). n in Syk. 7). Tyr352 of Syk is on loop of the Syk
Background Referen	2. Kurosaki, T. (19 3. Chu, D.H. et al. 4. Turner, M. et al. 5. Coopman, P.J. 6. Deckert, M. et a 7. Rao, N. et al. (2 8. Law, C.L. et al.	d Chan, A.C. (1997) <i>Cu</i> 97) <i>Curr Opin Immunol</i> (1998) <i>Immunol Rev</i> 1 (2000) <i>Immunol Today</i> et al. (2000) <i>Nature</i> 400 I. (1998) <i>J Biol Chem</i> 2 (1996) <i>Mol Cell Biol</i> 16 (2000) <i>J Biol Chem</i> 27	/ 9, 309-18. 65, 167-80. / 21, 148-54. 6, 742-7. 273, 8867-74. 5-95. 1, 1305-15.	28-33.	
Species Reactivity	Species reactivity i	s determined by testing	g in at least one appro	oved application (e.g., we	estern blot).
Western Blot Buffer		vestern blots, incubate t 4°C with gentle shaki		ed primary antibody in 59	% w/v BSA, 1X TBS,
Applications Key	WB: Western Blot	ting			

3/23/24, 10:53 AM	Syk Antibody (#2712) Datasheet Without Images Cell Signaling Technology
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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