e at -20C	Phospho-Syk (Tyr323) Antibody		Cell Signaling	
Store at		Orders:	877-616-CELL (2355) orders@cellsignal.com	
വ		Support:	877-678-TECH (8324)	
271		Web:	info@cellsignal.com cellsignal.com	
#		3 Trask Lane Danvers Ma	ssachusetts 01923 USA	

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

Applications: WB, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 72	Source: Rabbit	UniProt ID: #P43405	Entrez-Gene Id: 6850	
Product Usage Information	W	oplication estern Blotting			Dilution 1:1000 1:50		
Storage	Su	munoprecipitation oplied in 10 mM sodiu C. Do not aliquot the		5), 150 mM NaCl, 10	1.50 00 μg/ml BSA and 50% g	lycerol. Store at –	
Specificity / Sensi		Phospho-Syk (Tyr323) Antibody detects endogenous levels of Syk only when phosphorylated at Ty does not cross-react with other tyrosine-phosphorylated members of the Syk/Zap-70 tyrosine kinas			, ,		
Species predicted react based on 10 sequence homolo	0%	use, Rat					
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Tyr323 of human Syk or Tyr317 of mouse Syk. Antibodies are purified by protein A and peptide affinity chromatography.					
Background	her loc: dov diff inve Tyr Pho inve kina	natopoietic cells (1-3) ated in the cytoplasm vnstream signaling ever erentiation, and phag estigators have indica 323 is a negative reg osphorylation at Tyr32 polved in the association). Syk interacts wit ic domains of imm vents that mediate ocytosis (4). There ated that Syk is a p ulatory phosphory 23 provides a direc on of PLCy1 (8). T rylation at Tyr525/	h immunoreceptor to une receptors (4). It diverse cellular resp e is also evidence of otential tumor supp lation site within the ct binding site for the yr525 and Tyr526 an	intracellular signal transe prosine-based activation couples the activated in ponses, including prolife a role for Syk in nonimm ressor in human breast of SH2-kinase linker region TKB domain of Cbl (6,7 re located in the activation equivalent to Tyr519/520	motifs (ITAMs) nmunoreceptors to ration, nune cells and carcinomas (5). n in Syk. '). Tyr352 of Syk is on loop of the Syk	
Background Refe	2. K 3. C 4. T 5. C 6. E 7. F 8. L	Cheng, A.M. and Cha. Kurosaki, T. (1997) <i>Cl</i> Chu, D.H. et al. (1998 Furner, M. et al. (2000 Coopman, P.J. et al. (2000 Coopman, P.J. et al. (1996) Rao, N. et al. (2001) <i>E</i> .aw, C.L. et al. (1996) Zhang, J. et al. (2000)	Irr Opin Immunol 9) Immunol Rev 169)) Immunol Today 2 2000) Nature 406,)8) J Biol Chem 27 EMBO J 20, 7085-9) Mol Cell Biol 16,	9, 309-18. 5, 167-80. 21, 148-54. 742-7. 3, 8867-74. 95. 1305-15.	28-33.		
Species Reactivity	y Spe	cies reactivity is dete	rmined by testing i	n at least one appro	ved application (e.g., we	estern blot).	
Western Blot Buff		ORTANT: For western 6 Tween® 20 at 4°C v			d primary antibody in 5%	6 w/v BSA, 1X TBS,	
Applications Key Cross-Reactivity I		: Western Blotting IP	: Immunoprecipita	tion			

3/23/24, 1:33 PM	 Phospho-Syk (Tyr323) Antibody (#2715) Datasheet Without Images Cell Signaling Technology 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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