| e at -20C | Phospho-Syk (Ser297) Antibody | | Cell Signaling |
|-----------|-------------------------------|----------------------|--|
| Store | | Orders: | 877-616-CELL (2355) orders@cellsignal.com |
| 40 | | Support: | 877-678-TECH (8324) |
| 141 | | Web: | info@cellsignal.com cellsignal.com |
| # | | 3 Trask Lane Danvers | Massachusetts 01923 USA |

| For Research Use Only | y. Not for Use in Diagnostic Procedures. | |
|-----------------------|---|--|
| I OF RESCALCT OSC OTH | y. Not for 03c in Diagnostic i roccuares. | |

| Applications: Reacti WB H | | MW (kDa): 72 | Source: Rabbit | UniProt ID: #P43405 | Entrez-Gene Id: 6850 |
|---|---|--|--|--|---|
| Product Usage Information | Application Western Blotting | | | Dilution 1:1000 | |
| Storage | Supplied in 10 mM sodi 20°C. Do not aliquot the | | 5), 150 mM NaCl, 10 | 00 μg/ml BSA and 50% ç | glycerol. Store at – |
| Specificity / Sensitivity | Phospho-Syk (Ser297) at Ser297. | Antibody recognize | s endogenous level | s of Syk protein only wh | en phosphorylated |
| Species predicted to react based on 100% sequence homology: | Mouse, Rat | | | | |
| Source / Purification | | Ser297 of human | | h a synthetic phosphope lies are purified by prote | |
| Background | hematopoietic cells (1-3 located in the cytoplasm downstream signaling e differentiation, and phae investigators have indic Tyr323 is a negative reg Phosphorylation at Tyr3 involved in the associat kinase domain; phosph essential for Syk functio Ser297 of human Syk p | B). Syk interacts within domains of immergeneris that mediate gocytosis (4). There ated that Syk is a provides a direction of PLCy1 (8). Torylation at Tyr525/on (9). | h immunoreceptor t une receptors (4). It diverse cellular res e is also evidence of otential tumor supp lation site within the tyr525 and Tyr526 a 526 of human Syk (use (corresponding t ation of Ser297 by p | intracellular signal trans yrosine-based activation t couples the activated in ponses, including prolife f a role for Syk in nonimr ressor in human breast SH2-kinase linker regio e TKB domain of Cbl (6,7 re located in the activatio (equivalent to Tyr519/52) to mouse Syk residue Se protein kinase C (PKC) p 8 and prohibitin (10,11). | motifs (ITAMs) nmunoreceptors to ration, nune cells and carcinomas (5). n in Syk. 7). Tyr352 of Syk is on loop of the Syk 0 of mouse Syk) is er291) is located |
| Background References | Cheng, A.M. and Cha Kurosaki, T. (1997) C Chu, D.H. et al. (1994) Turner, M. et al. (200) Coopman, P.J. et al. Deckert, M. et al. (197) Rao, N. et al. (2001) Law, C.L. et al. (1996) Zhang, J. et al. (2000) Bohnenberger, H. et Paris, L.L. et al. (2014) | Curr Opin Immunol 9 3) Immunol Rev 16 0) Immunol Today 3 (2000) Nature 406, 98) J Biol Chem 27 EMBO J 20, 7085-9 5) Mol Cell Biol 16, 1) J Biol Chem 275, al. (2011) Eur J Imi |), 309-18. 5, 167-80. 21, 148-54. 742-7. 3, 8867-74. 95. 1305-15. 35442-7. munol 41, 1550-62. | 28-33. | |
| Species Reactivity | Species reactivity is dete | ermined by testing i | n at least one appro | oved application (e.g., we | estern blot). |
| Western Blot Buffer | IMPORTANT: For wester milk, 1X TBS, 0.1% Twe | | | | % w/v nonfat dry |

| 3/23/24, 10:45 АМ Applications Key | Phospho-Syk (Ser297) Antibody (#14140) Datasheet Without Images Cell Signaling Technology WB: Western Blotting | | | |
|--|--|--|--|--|
| 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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