#3009 Store at -20C

Phospho-c-Abl (Tyr204) (C42B5) Rabbit mAb



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Applications: WB, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 135 (c-Abl); 210 (Bcr-Abl)	Source/Isotype: Rabbit IgG	UniProt ID: #P00519	Entrez-Gene lo 25	
Product Usage Information	Ар	plication			Dilution		
	We	stern Blotting		1:1000			
	Imr	munoprecipitation			1:50		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20 °C. Do not aliquot the antibody.					
Specificity / Sensitivity		Phospho-c-Abl (Tyr204) (C42B5) Rabbit mAb detects endogenous levels of c-Abl only when phosphorylated at Tyr204. This antibody may weakly cross-react with other tyrosine-phosphorylated proteins. For additional information please visit PhosphoSitePlus [®] , CST's modification site knowledgebase, at www.phosphosite.org.					
Species predicted t eact based on 100 equence homolog	%	ise					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Tyr204 of human c-Abl.					
Background	and highly conserved in metazoan evolution cytoplasm of cells. It is implicated in regular and stress responses (1-3). c-Abl kinase actincluding integrin activation; PDGF stimulat mechanism for regulation of c-Abl kinase at linker region between the SH2 and catalytic members. Phosphorylation at Tyr245 is inversely phosphorylation at Tyr412, which is located activity (6). Phosphorylation of c-Abl on Tyr204 was idea.				receptor protein tyrosine kinase that is ubiquitously expressed on. c-Abl protein is distributed in both the nucleus and the ating cell proliferation, differentiation, apoptosis, cell adhesion, activity is increased <i>in vivo</i> by diverse physiological stimuli ation; and binding to c-Jun, Nck, and RFX1 (2,4). The <i>in vivo</i> activity is not completely understood. Tyr245 is located in the cite domains. This positioning is conserved among Abl family volved in the activation of c-Abl kinase (5). In addition, and in the kinase activation loop of c-Abl, is required for kinase dentified at Cell Signaling Technology (CST) using m for phosphorylation site discovery as well as another		

Background References

- 1. Wang, J.Y. (2000) Oncogene 19, 5643-50.
- 2. Van Etten, R.A. (1999) *Trends Cell Biol* 9, 179-86.
- 3. Danial, N.N. and Rothman, P. (2000) *Oncogene* 19, 2523-31.
- 4. Shaul, Y. (2000) Cell Death Differ 7, 10-6.
- 5. Brasher, B.B. and Van Etten, R.A. (2000) J Biol Chem 275, 35631-7.
- 6. Pluk, H. et al. (2002) Cell 108, 247-259.
- 7. Meyn, M.A. et al. (2006) J. Biol. Chem. 281, 30907-30916.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4° C with gentle shaking, overnight.

Applications Key

WB: Western Blotting IP: Immunoprecipitation

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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