Revision 1		
Phospho-c-Abl (Tyr245) Antibody		Ell Signaling
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Applications:	Reactivity:	Sensitivity:	MW (kD			

Applications: W	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 135 (c-Abl); 210 (Bcr-Abl)	Source/Isotype: Rabbit	UniProt ID: #P00519	Entrez-Gene Id 25	
Product Usage Information		Application Western Blotting			Dilution 1:1000		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store a 20°C. Do not aliquot the antibody.				ycerol. Store at –	
Specificity/Sensitivity		Phospho-c-Abl (Tyr245) Antibody detects endogenous levels of c-Abl only when phosphorylated at tyrosine 245. The antibody cross-reacts with activated EGF receptors and PDGF receptors.					
Species predicto based on 100% homology		Mouse					
Source / Purific	ation	Polyclonal antibodies are produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Tyr245 of human c-Abl.					
Background		expressed and high and the cytoplasm o adhesion, and stress stimuli including inte vivo mechanism for the linker region bet family members. Pho	y conserved in metaz f cells. It is implicated r responses (1-3). c-At egrin activation; PDGF regulation of c-Abl kir ween the SH2 and ca osphorylation at Tyr2	receptor protein tyrosin oan evolution. c-Abl pro in regulating cell prolif l kinase activity is incre stimulation; and bindi nase activity is not com talytic domains. This po 45 is involved in the act ed in the kinase activati	otein is distributed i feration, differentia iased <i>in vivo</i> by dive ng to c-Jun, Nck, an pletely understood. sistioning is conserv ivation of c-Abl kina	n both the nucleus tion, apoptosis, cel rse physiological d RFX1 (2,4). The <i>in</i> Tyr245 is located in red among Abl ase (5). In addition,	
Background Re	ferences	1. Wang, J.Y. (2000) <i>Oncogene</i> 19, 5643-50. 2. Van Etten, R.A. (1999) <i>Trends Cell Biol</i> 9, 179-86. 3. Danial, N.N. and Rothman, P. (2000) <i>Oncogene</i> 19, 2523-31. 4. Shaul, Y. (2000) <i>Cell Death Differ</i> 7, 10-6. 5. Brasher, B.B. and Van Etten, R.A. (2000) <i>J Biol Chem</i> 275, 35631-7. 6. Pluk, H. et al. (2002) <i>Cell</i> 108, 247-259.					
Species Reactiv	ity	Species reactivity is o	determined by testing	յ in at least one approve	ed application (e.g.,	western blot).	
Western Blot Bı	uffer	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 Ke	у	W: Western Blotting					
Cross-Reactivity	y Key	H: Human					
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