e at -20C	Phospho-FLT3 (Tyr591) Antibody		Cell Signaling		
Store at		Orders:	877-616-CELL (2355) orders@cellsignal.com		
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#3461		Web:	info@cellsignal.com cellsignal.com		
#		3 Trask Lane Danvers	Massachusetts 01923 USA		

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

Applications: F WB	Reactivity: H M	Sensitivity: Endogenous	MW (kDa): 130 nonglycosylated form;160 glycosylated mature form	Source: Rabbit	UniProt ID: #P36888	Entrez-Gene Id 2322		
Product Usage Information	• •	olication stern Blotting			Dilution 1:1000			
Storage	Sup	Ũ	ŭ ,	i), 150 mM NaCl, 100 $\mu\text{g/ml}$ BSA and 50% glycerol. Store at –				
Specificity / Sensitiv	The	Phospho-FLT3 (Tyr591) Antibody detects endogenous FLT3 only when phosphorylated at tyrosine 591. The antibody does not cross-react with other FLT family members. It may cross-react with some tyrosine phosphorylated proteins.						
Source / Purification	to re	Polyclonal antibodies are produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Tyr591 of human FLT3. Antibodies are purified by protein A and peptide affinity chromatography.						
Background	kina hem (1,2) auto kina Tyr5 FLT3	se family, which in atopoietic progenit . FLT3 is activated phosphorylation at se, SHP2, GRB2, 3 89/591 is located i 3 tyrosine kinase a	cludes c-Kit, PDGFR, tor cells and supports I after binding with its nd tyrosine phosphory and Shc have all been n the juxtamembrane	and M-CSF recel growth and differ ligand FL, which a reported to asso region of FLT3 an ions of FLT3 cons	nember of the Type III reconstructions. FLT3 is expressed entiation within the hema results in a cascade of ty eam substrates (3). The p inciate with FLT3 after FL ind may play an important isting of internal tandem	on early topoietic system rosine 585 subunit of PI3 stimulation (4-6). t role in regulation of		
Background Referen	2. Na 3. Na 4. Be 5. Zh 6. Zh	 Shurin, M.R. et al. (1998) Cytokine Growth Factor Rev 9, 37-48. Naoe, T. et al. (2001) Cancer Chemother Pharmacol 48 Suppl 1, S27-30. Namikawa, R. et al. (1996) Stem Cells 14, 388-95. Beslu, N. et al. (1996) J Biol Chem 271, 20075-81. Zhang, S. and Broxmeyer, H.E. (2000) Biochem Biophys Res Commun 277, 195-9. Zhang, S. et al. (1999) J Leukoc Biol 65, 372-80. Mizuki, M. et al. (2000) Blood 96, 3907-14. 						
Species Reactivity	Spec	ies reactivity is det	ermined by testing in	at least one appre	oved application (e.g., we	estern blot).		
Western Blot Buffer			ern blots, incubate me C with gentle shaking,	ubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, shaking, overnight.				
Applications Key	WB:	Western Blotting						
Cross-Reactivity Key	X: Xe	 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 						
Trademarks and Patents	All ot	0 0	gy is a trademark of C the property of their	0 0	nnology, Inc. s. Visit cellsignal.com/tra	demarks for more		
Limited Uses								

Phospho-FLT3 (Tyr591) Antibody (#3461) Datasheet Without Images Cell Signaling Technology

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