e at -20C	Phospho-c-Kit (Tyr719) Antibody			
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com	
)1		Support:	877-678-TECH (8324)	
#3391		Web:	info@cellsignal.com cellsignal.com	
#		3 Trask Lane Danvers Ma	ssachusetts 01923 USA	

For Research Use Only	y. Not for Use in Diagnostic Procedu	ires
	y, Not for 03c in Diagnostic i roccut	1103.

Applications: WB	Reactivity: H M	Sensitivity: Endogenous	MW (kDa): 120, 145	Source: Rabbit	UniProt ID: #P10721	Entrez-Gene Id: 3815		
Product Usage Information	-	pplication estern Blotting			Dilution 1:1000			
Storage		pplied in 10 mM sod C. Do not aliquot th		5), 150 mM NaCl, 10	00 μg/ml BSA and 50% g	Jycerol. Store at –		
Specificity / Sens				ndogenous levels o her tyrosine-phospf	f c-Kit only when phosph norylated RTKs.	norylated at tyrosine		
Source / Purificat	to re	Polyclonal antibodies are produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Tyr719 of mouse c-Kit. Antibodies are purified by protein A and peptide affinity chromatography.						
Background	reco hen fact Kit i con imp mut stro	eptors (1,2). It plays natopoietic stem cel or (SCF) ligand, c-k results in the recruit nponents, including air the kinase activi rations that constitut mal tumors (6). Tyr	a critical role in ac ls, mast cells, mela (it undergoes dimer ment and tyrosine p PLCy, the p85 sub ty of c-Kit are assoc ively activate c-Kit 719 is located in the	ivation and growth i nocytes, and germ o ization/oligomerizat phosphorylation of d unit of PI3 kinase, S stated with a variety can lead to pathoge kinase insert regio	s that includes PDGF, CS in a number of cell types cells (3). Upon binding w ion and autophosphoryla lownstream SH2-contain HP2, and CrkL (4). Mole of developmental disord nesis of mastocytosis ar n of the catalytic domain se <i>in vitro</i> and <i>in vivo</i> (7)	, including ith its stem cell ition. Activation of c- ing signaling cular lesions that ers (5), and nd gastrointestinal . c-Kit		
Background Refe	2. Y 3. G 4. S 5. N 6. H	Martin, F.H. et al. (19 Garden, Y. et al. (198 Gommerman, J.L. et Gattler, M. et al. (199 Iocka, K. et al. (1998 Iirota, S. et al. (1998 Ilume-Jensen, P. et	7) EMBO J 6, 3341 al. (1997) J Biol Cl 7) J Biol Chem 272 0) EMBO J 9, 1805 3) Science 279, 577	-51. nem 272, 30519-25. , 10248-53. -13. -80.				
Species Reactivit	t y Spec	cies reactivity is det	ermined by testing i	n at least one appro	oved application (e.g., we	estern blot).		
Western Blot Buf		ORTANT: For weste 6 Tween® 20 at 4°C			ed primary antibody in 59	% w/v BSA, 1X TBS,		
Applications Key	WB	: Western Blotting						
Cross-Reactivity	X : X	 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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Phospho-c-Kit (Tyr719) Antibody (#3391) Datasheet Without Images Cell Signaling Technology

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