Store at -20 c-Kit Antibody				
	Orders:	877-616-CELL (2355) orders@cellsignal.com		
	Support:	877-678-TECH (8324)		
+3392	Web:	info@cellsignal.com cellsignal.com		
#	3 Trask Lane Danvers Massachusetts 01923 USA			
For Research Use Only. Not for Use in Diagnostic Procedures.				

Applications: W	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 120, 145	Source/Isotype: Rabbit	UniProt ID: #P10721	Entrez-Gene Id 3815		
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 at – 20°C. Do not aliguot the antibody.						
Specificity/Sensitivity		c-Kit Antibody detects endogenous levels of c-Kit. It does not cross-react with other receptor tyrosine kinase family members.						
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to the residues surrounding Met720 of human c-Kit. The antibodies are purified by protein A and peptide affinity chromatography.						
Background		2 receptors (1,2). It p hematopoietic stem of factor (SCF) ligand, c- of c-Kit results in the signaling component lesions that impair th (5), and mutations th gastrointestinal stror	lays a critical role in cells, mast cells, me Kit undergoes dime recruitment and tyr ts, including PLCy, th he kinase activity of o at constitutively act nal tumors (6). Tyr7	eptor tyrosine kinases th activation and growth ir anocytes, and germ cell rization/oligomerization osine phosphorylation o ne p85 subunit of PI3 kin c-Kit are associated with vate c-Kit can lead to pa 19 is located in the kinas he p85 subunit of PI3 kin	a a number of cell t s (3). Upon binding and autophospho of downstream SH2 base, SHP2, and Crk a variety of develo thogenesis of mast se insert region of t	ypes, including with its stem cell rylation. Activation -containing L (4). Molecular pmental disorders cocytosis and he catalytic domain.		
Background References		1. Martin, F.H. et al. (1990) <i>Cell</i> 63, 203-11. 2. Yarden, Y. et al. (1987) <i>EMBO J</i> 6, 3341-51. 3. Gommerman, J.L. et al. (1997) <i>J Biol Chem</i> 272, 30519-25. 4. Sattler, M. et al. (1997) <i>J Biol Chem</i> 272, 10248-53. 5. Nocka, K. et al. (1990) <i>EMBO J</i> 9, 1805-13. 6. Hirota, S. et al. (1998) <i>Science</i> 279, 577-80. 7. Blume-Jensen, P. et al. (2000) <i>Nat Genet</i> 24, 157-62.						
Species Reactivit	у	Species reactivity is d	letermined by testin	g in at least one approve	ed application (e.g.,	western blot).		
Western Blot Buf	fer	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		W: Western Blotting						
Cross-Reactivity	Key	H: Human						
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