e at -20C	Phospho-KAP-1 (Ser824) Antibod	у			
Store at		Orders	877-616-CELL (2355) orders@cellsignal.com		
7		Suppor	t: 877-678-TECH (8324)		
412		Web:	info@cellsignal.com cellsignal.com		
#		3 Trask Lane Danve	rs Massachusetts 01923 USA		

For Research Use Only	Not for Use in Di	iagnostic Procedures
FUI RESEAICII USE UIII		agnostic Frocedures.

Applications: WB	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 100	Source: Rabbit	UniProt ID: #Q13263	Entrez-Gene Id: 10155		
Product Usage Information		plication estern 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 aliquot the antibody.						
Specificity / Sensitivity		Phospho-KAP-1 (Ser824) Antibody detects endogenous levels of KAP-1 protein only when phosphorylated on Ser824.						
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic phosphopeptide corresponding to amino acids surrounding Ser824 of human KAP-1. Antibodies are purified by peptide affinity chromatography.						
Background	regu by t PHI don of tr and be e repu hist ess care Ser	ulators that play key he presence of two D finger and bromod nain containing zinc ranscription factors t thought to regulate essential for early en ress transcription in one modification. Th ential for transcriptio cinoma cells (6,7). K 824 occurs in an AT	roles in developme conserved motifs – lomain unit (1,2). Ku finger proteins. The hat are vertebrate-s gene transcription nbryonic developm response to environ response to environ recruitment and a onal repression, and AP-1 also plays a r M-dependent manr	ent and differentiatio an N-terminal RING AP-1 is a corepress e KRAB domain con specific, varied in the programs that contri- ent and spermatoge mental or developm association of KAP-2 I for progression thr ole in the DNA dam- ier in response to ge	ctor 1) family, a group of n. Members of this famil S-B box-coiled-coil motif or for KRAB (Kruppel as taining zinc finger protei eir expression patterns b ol speciation (3,4).KAP- tenesis (6,5). It functions t nental signals by chroma 1 with heterochromatin p ough differentiation of F9 age response. Phospho enotoxic stress and is the damage response (8).	y are characterized and a C-terminal sociated box) ns are a large group between species, 1 has been shown to to either activate or atin remodeling and brotein (HP1) is 9 embryonic rylation of KAP-1 on		
Background Refere	2. L 3. F 4. K 5. V 6. C 7. C	e Douarin, B. et al. (e Douarin, B. et al. (iriedman, J.R. et al. (irebs, C.J. et al. (2002 Veber, P. et al. (2002 cammas, F. et al. (20 cammas, F. et al. (20 cammas, F. et al. (2006) <i>Na</i>	(1996) EMBO J. 15 (1996) Genes Dev. 05) Genomics 85, 7 2) Development 129 004) Genes Dev. 18 007) Differentiation	, 6701-6715. 10, 2067-2078. 52-761. 0, 2329-2337. , 2147-2160. 75, 627-37.				
Species Reactivity	Spec	cies reactivity is dete	ermined by testing i	n at least one appro	ved application (e.g., we	estern blot).		
Western Blot Buffe			stern blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, °C with gentle shaking, overnight.					
Applications Key	WB	: Western Blotting						
Cross-Reactivity K	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 						

Trademarks and Patents

Limited Uses

Phospho-KAP-1 (Ser824) Antibody (#4127) Datasheet Without Images Cell Signaling Technology

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