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Phospho-KAP-1 (Ser824) Antibody



Orders: 877-616-CELL (2355)

orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com

cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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Applications: Reactivity	: Sensitivity: Endogenous	MW (kDa): 100	Source/Isotype: Rabbit	UniProt ID: #Q13263	Entrez-Gene Id: 10155	
Product Usage Information	Application Western Blotting			Dilution 1:1000		
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/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.				when	
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	family, a group of trar Members of this fami RING-B box-coiled-coi corepressor for KRAB domain containing zir specific, varied in thei transcription program embryonic developme transcription in respo histone modification. essential for transcrip carcinoma cells (6,7). Ser824 occurs in an A	nscriptional regulate ly are characterized I motif and a C-tern (Kruppel associated of the control specient as that control specient and spermatogonse to environment The recruitment an tional repression au KAP-1 also plays a r TM-dependent man	ember of the TIF1 (transors that play key roles in by the presence of two ninal PHD finger and brown of the box domain-containing a large group of transors between species, and ation (3,4). KAP-1 has beenesis (6,5). It functions all or developmental sig diassociation of KAP-1 vand for progression throughle in the DNA damagener in response to generis, in turn, required for	development and conserved motifs – comserved motifs – comodomain unit (1, g zinc finger protein factors that thought to regulate en shown to be estended by chromating the differentiation of the control	differentiation. an N-terminal 2). KAP-1 is a ns. The KRAB it are vertebrate- se gene sential for early r repress remodeling and in protein (HP1) is of F9 embryonic rylation of KAP-1 on	
Background References	2. Le Douarin, B. et al. 3. Friedman, J.R. et al. 4. Krebs, C.J. et al. (200 5. Weber, P. et al. (200 6. Cammas, F. et al. (2 7. Cammas, F. et al. (2	1. Le Douarin, B. et al. (1995) <i>EMBO J.</i> 14, 2020-2033. 2. Le Douarin, B. et al. (1996) <i>EMBO J.</i> 15, 6701-6715. 3. Friedman, J.R. et al. (1996) <i>Genes Dev.</i> 10, 2067-2078. 4. Krebs, C.J. et al. (2005) <i>Genomics</i> 85, 752-761. 5. Weber, P. et al. (2002) <i>Development</i> 129, 2329-2337. 6. Cammas, F. et al. (2004) <i>Genes Dev.</i> 18, 2147-2160. 7. Cammas, F. et al. (2007) <i>Differentiation</i> 75, 627-37. 8. Ziv, Y. et al. (2006) <i>Nat. Cell Biol.</i> 8, 870-876.				
Species Reactivity	Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).	
Western Blot Buffer		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	W: Western Blotting				
Cross-Reactivity Key	H: Human					

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