e at -20C	FoxK1 Antibody	HE .			
Stor		Orders	877-616-CELL (2355) orders@cellsignal.com		
25		Suppor	t: 877-678-TECH (8324)		
±120		Web:	info@cellsignal.com cellsignal.com		
#		3 Trask Lane Danve	rs Massachusetts 01923 USA		

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

Applications: WB, IP	Reactivity: H M Mk	Sensitivity: Endogenous	MW (kDa): 97	Source: Rabbit	UniProt ID: #P85037	Entrez-Gene Id: 221937		
Product Usage	Ар	Application Dilution						
Information	We	Western Blotting 1:1000						
	Imr	munoprecipitation			1:50			
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		FoxK1 Antibody recognizes endogenous levels of total FoxK1 protein.						
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Arg692 of mouse FoxK1 protein. Antibodies are purified by protein A and peptide affinity chromatography.						
Background	Fork pres know tran that arra can Fox repr are the Fox prol and	khead box (Fox) prote sence of a winged he wn Fox protein family scription in diverse a disrupt the expressio y of human disorders cer (3,4). K1 belongs to a subfa essor of downstream two isoforms of Foxk α isoform. The two is K1-β is expressed ma iferating myoblasts fr differentiation of myo	eins are a family of lix DNA binding div members, divide nd highly specializ on of Fox gene far s, including immur amily of Fox prote target genes incl (1: FoxK1-α and F oforms of FoxK1 s ainly in quiescent om activated sate ogenic stem cells	of evolutionarily cons omain called a Forkh d into 19 subfamilies zed biological contex- nily members have of nological dysfunction ins along with FoxK2 uding FoxO4, Mef2, foxK1-β. The β isofo show reciprocal expr satellite cells (8), wh llite cells (9). Both is during development	erved transcription factor lead box (1). In humans, s, which have evolved to ts throughout developme consequently been implic , infertility, speech/langua 2. FoxK1 functions as a t P21, PPGB, and SM α-a rm has a truncated C terr ession patterns during m ereas FoxK1-α is the do oforms of FoxK1 jointly r and muscle regeneratior	rs defined by the there are over 40 regulate gene ent (2). Mutations cated in a broad age disorders, and ranscriptional actin (5-7). There minus compared to suscle regeneration. minant isoform in egulate proliferation n (10).		
Background References		yatt, S.S. and Lam, E ackson, B.C. et al. (20 annenhalli, S. and Ka enayoun, B.A. et al. (awke, T.J. et al. (200 reddie, C.T. et al. (200 hi, X. et al. (2012) J (arry, D.J. et al. (1997) ang, Q. et al. (1997) arry, D.J. et al. (2000)	E.W. (2007) Nat R 010) Hum Genom aestner, K.H. (200 (2011) Trends Ge. 3) J Biol Chem 27 07) Nucleic Acids Cell Sci , . 7) Dev Biol 188, 2 Mol Cell Biol 17, 5 0) Proc Natl Acad	at Rev Cancer 7, 847-59. nomics 4, 345-52. 2009) Nat Rev Genet 10, 233-40. Genet 10, 224-32. n 278, 4015-20. cids Res 35, 5203-12. 3, 280-94. 7, 5236-43. nad Sci U S A 97, 5416-21.				
Species Reactivity	Spec	ies reactivity is deter	mined by testing i	n at least one appro	ved application (e.g., we	stern blot).		
Western Blot Buffe	r IMPC 0.1%	DRTANT: For western Tween® 20 at 4°C v	ern blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, C with gentle shaking, overnight.					
Applications Key		WB: Western Blotting IP: Immunoprecipitation						
Cross-Reactivity K	ey H: hu X: Xe	uman M: mouse R: ra enopus Z: zebrafish I	ın M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster pus 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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Limited Uses

FoxK1 Antibody (#12025) Datasheet Without Images Cell Signaling Technology

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