e at -20C	Sx1 (G116) Antibody		
Store at		Orders:	877-616-CELL (2355) orders@cellsignal.com
37		Support:	877-678-TECH (8324)
#4787		Web:	info@cellsignal.com cellsignal.com
#		3 Trask Lane Danvers Ma	ssachusetts 01923 USA

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

Applications: WB	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 32	Source: Rabbit	UniProt ID: #P28360	Entrez-Gene Id: 4487		
Product Usage Information		pplication Vestern 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		Msx1 (G116) Antibody detects endogenous levels of total Msx1 protein.						
Species predicted to react based on 100% sequence homology:		Monkey						
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to amino acid sequence surrounding Gly116 of human Msx1 protein. Antibodies are purified by protein A and peptide affinity chromatography.						
Background	tra for of se mi bra ge (6)	anscriptional repressor rmation, craniofacial d the developing nail be en in adult epithelial-d dbrain dopaminergic p ain function and are th ene correlates with abr). Other genetic chang	during embryonic evelopment, and to ed (2) and in fetal h lerived tissues (4). progenator domain e cells affected in normal tooth develo les in the Msx1 gen	development, playir both development (1 air follicles, epiderm Msx1 acts in concer , a region that gives Parkinson disease (opment in patients d ne result in Witkop S	h) gene family member t ng an important role in lin -3). Msx1 is expressed in is and fibroblasts; reduce rt with the Wnt1 network rise to neurons that are 5). Mutation in the corres iagnosed with Wolf-Hirsc Syndrome ("tooth and nai dromic orofacial clefting	nb pattern n the mesenchyme ed expression is to establish the critical for normal sponding Msx1 chhorn syndrome I syndrome") and		
Background Refere	2. 3. 4. 5. 6.	Jezewski, P.A. et al. (2 Jumlongras, D. et al. (Lidral, A.C. and Reisir Stelnicki, E.J. et al. (1 Andersson, E. et al. (2 Nieminen, P. et al. (20 van den Boogaard, M	(2001) Am J Hum (ng, B.C. (2002) J D 997) Differentiation 2006) Cell 124, 393 103) J Dent Res 82	Genet 69, 67-74. ent Res 81, 274-8. d 62, 33-41. 3-405. , 1013-7.				
Species Reactivity	Spe	ecies reactivity is dete	rmined by testing i	n at least one appro	ved application (e.g., we	stern blot).		
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.						
Applications Key		WB: Western Blotting						
Cross-Reactivity Key		 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

Msx1 (G116) Antibody (#4787) Datasheet Without Images Cell Signaling Technology

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