e at -20C	Msx1 (P5) Antibody		CHNOLOGY®
Store at		Orders:	877-616-CELL (2355) orders@cellsignal.com
78		Support:	877-678-TECH (8324)
#5378		Web:	info@cellsignal.com cellsignal.com
#	3 Тг	ask Lane   Danvers   Ma	ssachusetts   01923   USA

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

Applications: WB	Reactivity: H	Sensitivity: Endogenous	<b>MW (kDa):</b> 32	Source: Rabbit	<b>UniProt ID:</b> #P28360	Entrez-Gene Id: 4487		
Product Usage Information	•	oplication estern Blotting			<b>Dilution</b> 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 (P5) Antibody detects endogenous levels of total Msx1 protein.						
Species predicted to react based on 100% sequence homology:		nkey						
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to amino acid sequences surrounding Pro5 of human Msx1 protein. Antibodies are purified by protein A and peptide affinity chromatography.						
Background	trar forr of t see mic bra ger (6).	nscriptional represso nation, craniofacial d he developing nail be en in adult epithelial-o lbrain dopaminergic in function and are th ne correlates with abu Other genetic chang	r during embryonic levelopment, and to ed (2) and in fetal h derived tissues (4). progenator domain ne cells affected in normal tooth develo ges in the Msx1 ger	development, playir poth development (1 pair 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 in ng an important role in lir 3). Msx1 is expressed i nis and fibroblasts; reduc rt with the Wnt1 network rise to neurons that are 5). Mutation in the corres iagnosed with Wolf-Hirse Syndrome ("tooth and na dromic orofacial clefting	nb pattern n the mesenchyme ed expression is to establish the critical for normal sponding Msx1 chhorn syndrome il syndrome") and		
Background Refer	2. J 3. L 4. S 5. A 6. N	ezewski, P.A. et al. ( umlongras, D. et al. idral, A.C. and Reisii Stelnicki, E.J. et al. (1 vndersson, E. et al. (20 Jieminen, P. et al. (20 an den Boogaard, M	(2001) Am J Hum ( ng, B.C. (2002) J D 1997) Differentiation 2006) Cell 124, 393 003) J Dent Res 82	Genet 69, 67-74. Dent Res 81, 274-8. n 62, 33-41. 3-405. l, 1013-7.				
Species Reactivity	y Spe	Species reactivity is determined by testing in at least one approved application (e.g., western blot).						
Western Blot Buffe		ORTANT: For wester 6 Tween® 20 at 4°C		bate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, haking, overnight.				
Applications Key	WB	WB: Western Blotting						
Cross-Reactivity K	<b>X</b> : X	<ul> <li>H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster</li> <li>X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse</li> <li>GP: Guinea Pig Rab: rabbit All: all species expected</li> </ul>						

Trademarks and Patents

Limited Uses

Msx1 (P5) Antibody (#5378) Datasheet Without Images Cell Signaling Technology

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