SIX1 (D5S2S) Rabbit mAb			
Storr	Orders:	877-616-CELL (2355) orders@cellsignal.com	
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Applications: WB, IP, IHC-P, IF-IC	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 36	Source/Isotype: Rabbit IgG	UniProt ID: #Q15475	Entrez-Gene Id: 6495
Product Usage Information	We	plication estern Blotting munoprecipitation				Dilution 1:1000 1:50
		munohistochemistry munofluorescence (,	nistry)		1:100 1:400
Storage	•	•		7.5), 150 mM NaCl, 100 not aliquot the antibody		cerol and less than
Specificity / Sensiti	vity SIX	1 (D5S2S) Rabbit m	Ab recognizes e	ndogenous levels of tota	al SIX1 protein.	
Source / Purificatio		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Asp269 of human SIX1 protein.				responding to
Background	disc fam con bee with prot pote In c emb deri of M SIX	overed in Drosophil ily member (<i>sine oc</i> served among verte n identified in vertek a DNA-binding heli ein-protein interactio earch studies sugge entially important important to the Droso pryonic eye develop ved lineages, and m lyoD in adult muscle 1 in cell cycle regula	a mutant screens ulis, so) was nam brates, including brates. Each SIX x-turn-helix motif ons (5). In additions st that SIX protei- polications in tumo phila ortholog, the ment. Vertebrate hale reproductive progenitor cells tition is supported	ong to a family of evolut s for embryonic eye devi- ned for eyeless embryos humans (<i>SIX1</i>) (4). A to protein contains a home and an adjacent SIX do n to their critical function ns play additional roles is origenesis (6,7). e vertebrate <i>SIX1</i> gene SIX1 is required for devi- tissues (8-10). SIX1 has during postnatal muscle by research studies shi st, ovarian, and hepatoc	elopment genes (1-3) carrying mutations in tal of six family mem- cobox nucleic acid rec omain, which may be ns during embryonic in postnatal cell cycle product does not play relopment of mesode s also been shown to be development (11). A owing increased SIX:	 The prototypical a gene highly bers (SIX1-6) have cognition domain (HD) involved in regulating organogenesis, regulation, with y a critical role in rm- and neural crest- regulate transcription A mechanistic role for L expression in
Background Refere	2. F 3. F 4. B 5. P 6. F 7. C 8. O 9. K 10. F 11. Li 12. B	ischbach, K.F. and H oucher, C.A. et al. (: ignoni, F. et al. (199 ord, H.L. et al. (1998	Technau, G. (198 Heisenberg, M. (1 1996) <i>Genomics</i> 7) Cell 91, 881-9 8) Proc Natl Acad 004) Proc Natl Acad 004) Proc Natl Ac 1 Development 1 7) Am J Med Gen 13) Dev Cell 26, LoS One 8, e677 007) Cancer Res	4) Dev Biol 104, 219-39 1981) Proc Natl Acad Sc 33, 140-2. 1. I Sci U S A 95, 12608-1: cad Sci U S A 101, 6478 21, 4045-55. tet A 143A, 2185-8. 416-30. 62. 5 67, 3036-42.	<i>i U S A</i> 78, 1105-9. 3.	
Species Reactivity	Spec	ies reactivity is dete	ermined by testing	g in at least one approve	ed application (e.g., w	vestern blot).

Western Blot BufferIMPORTANT: 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.

1/18/24, 11:34 AM Applications Key	SIX1 (D5S2S) Rabbit mAb (#16960) Datasheet Without Images Cell Signaling Technology WB: Western Blotting IP: Immunoprecipitation IHC-P: Immunohistochemistry (Paraffin) IF-IC: Immunofluorescence (Immunocytochemistry)
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
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