

## Sox9 (D8G8H) Rabbit mAb (Biotinylated)



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

Applications: W	Reactivity: H M	Sensitivity: Endogenous	<b>MW (kDa):</b> 70	<b>Source/Isotype:</b> Rabbit IgG	UniProt ID: #P48436	Entrez-Gene Id 6662
Product Usage Information		<b>Application</b> Western Blotting			<b>Dilution</b> 1:1000	
Storage		Supplied in 136 mM NaCl, 2.6 mM KCI, 12 mM sodium phosphate (pH 7.4) dibasic, 2 mg/ml BSA, and 50% glycerol. Store at –20°C. Do not aliquot the antibodies.				
Specificity/Sensitivity		Sox9 (D8G9H) Rabbit mAb (Biotinylated) recognizes endogenous levels of total Sox9 protein.				
Species predicted to react based on 100% sequence homology		Rat				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human Sox9 protein.				
Description		This Cell Signaling Technology antibody is conjugated to biotin under optimal conditions. The biotinylated antibody is expected to exhibit the same species cross-reactivity as the unconjugated Sox (D8G9H) Rabbit mAb #82630.				
Background		domain of the mamm processes during eml skeletal formation an direct Sertoli cell-spec contributing to male of adult stem cell pop mammary stem cells research studies have phenotype in tumor cosyg confers cancer standard processes and the standard confers cancer standard processes and the standard processes are standard processes and the standard processes and the standard processes are standard processes are standard processes and the standard processes are standard processes and the standard processes are standard processes are standard processes are standard processes and the standard processes are standa	nalian testis-determ oryonic development d digit specification cific expression of a sex determination ( oulations, including (7). Recent interest e shown that Sox9 e cells (8). Other reseate	G-box DNA binding domining factor, SRY (1). Sox in including chondrogen (2,3). Sox9 also coordinati-Mullerian hormone of the coordinati-Mullerian hormone of the coordinati-Mullipotent neural stem has focused on the role expression in lung adenoused studies have shown ties on esophageal cancer types including ovarian	9 regulates several lesis, during which ates with steroidog during embryogene eportedly involved i n cells (5), hair follic of Sox9 in tumor bi carcinoma induces that YAP1 induced cer cells (9). Moreov	important it contributes to enic factor-1 to esis, thereby n the maintenance le stem cells (6), and ology. For example a mesenchymal upregulation of er, Sox9 expression
Background References		1. Mertin, S. et al. (1999) <i>Nucleic Acids Res</i> 27, 1359-64. 2. Akiyama, H. et al. (2002) <i>Genes Dev</i> 16, 2813-28. 3. Raspopovic, J. et al. (2014) <i>Science</i> 345, 566-70. 4. De Santa Barbara, P. et al. (1998) <i>Mol Cell Biol</i> 18, 6653-65. 5. Scott, C.E. et al. (2010) <i>Nat Neurosci</i> 13, 1181-9. 6. Kadaja, M. et al. (2014) <i>Genes Dev</i> 28, 328-41. 7. Guo, W. et al. (2012) <i>Cell</i> 148, 1015-28. 8. Capaccione, K.M. et al. (2014) <i>Oncotarget</i> 5, 3636-50. 9. Song, S. et al. (2014) <i>Cancer Res</i> 74, 4170-82. 10. Raspaglio, G. et al. (2014) <i>Gene</i> 542, 173-81. 11. Qin, G.Q. et al. (2014) <i>Onco Targets Ther</i> 7, 137-46. 12. Shroff, S. et al. (2014) <i>Hum Pathol</i> 45, 456-63.				

**Species Reactivity** 

Species reactivity is determined by testing in at least one approved 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 Cross-Reactivity Key H: Human M: Mouse

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