

## Spry1 (D9V6I) Rabbit mAb



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

<b>Applications:</b> W, IP	Reactivity: H M	<b>Sensitivity:</b> Endogenous	MW (kDa): 35	<b>Source/Isotype:</b> Rabbit IgG	<b>UniProt ID:</b> #O43609	Entrez-Gene Id: 10252
Product Usage Information		<b>Application</b> Western Blotting Immunoprecipitation			<b>Dilution</b> 1:1000 1:100	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 $\mu$ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		Spry1 (D9V6I) Rabbit mAb recognizes endogenous levels of total Spry1 protein. This antibody may also cross-react with an unidentified protein at 65 kDa.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Val145 of human Spry1 protein.				
Background		inhibitor of the FGF sign different genes, and the known to be essential f growth factors (1-3). Sp and organ formation, a considered tumor supp pathways (2,3). Spry1 a cytosol to the membrar to occur at various leve kinases (1,4,7), post-tra	naling pathway (1 ey all share a higl or their receptor ry1 and other Sp s well as growth ressors due to th nchors itself to the by binding to o ls. Spry1 regulationscriptional reguion, dephosphory	family proteins that was ). There are four human hy conserved carboxy-te tyrosine kinase inhibitory proteins play a key role in almost all living organieir inhibitory function in the membrane by palmitory aveolin-1 (5,6). Regulation includes transcription lation by microRNA-21 (8/lation, ubiquitination anners (2,3).	Spry proteins (Spry rminal cystine-rich y function stimulate in embryonic devisms (1-4). Spry pro a variety of growth ylation and can train of Spry1 protein al regulation by gro, post-translationa	1-4), encoded by Spry domain that is ed by various elopment, tissue teins are factor signaling hislocate from the function is thought owth factors and I modifications
Background References		<ol> <li>Hacohen, N. et al. (1998) Cell 92, 253-63.</li> <li>Edwin, F. et al. (2009) Mol Pharmacol 76, 679-91.</li> <li>Guy, G.R. et al. (2009) J Endocrinol 203, 191-202.</li> <li>Minowada, G. et al. (1999) Development 126, 4465-75.</li> <li>Impagnatiello, M.A. et al. (2001) J Cell Biol 152, 1087-98.</li> <li>Hanafusa, H. et al. (2002) Nat Cell Biol 4, 850-8.</li> <li>Ozaki, K. et al. (2001) Biochem Biophys Res Commun 285, 1084-8.</li> <li>Thum, T. et al. (2008) Nature 456, 980-4.</li> </ol>				
Species Reactivity		Species reactivity is det	ermined by testir	ng in at least one approve	ed application (e.g.,	western 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		W: Western Blotting IP: Immunoprecipitation				

**Cross-Reactivity Key** 

H: Human M: Mouse

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