

#5652 Store at -20C

WIF1 (D50F9) Rabbit mAb


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

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
WB	H	Endogenous	42	Rabbit IgG	#Q9Y5W5	11197

Product Usage Information	Application Western Blotting	Dilution 1:1000
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.	
Specificity / Sensitivity	WIF1 (D50F9) Rabbit mAb detects endogenous levels of total WIF1 protein.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Pro168 of human WIF1 protein.	
Background	WIF1 (Wnt inhibitory factor 1) is a secreted protein that binds to Wnt proteins and inhibits their activity (1). It contains an N-terminal WIF domain and five EGF-like repeats (2). The WIF1 ortholog in <i>Drosophila</i> , Shifted, is required for Hedgehog stability and diffusion (3,4). It has been reported that WIF1 expression is downregulated in many types of cancers (5-8).	
Background References	<ol style="list-style-type: none"> 1. Hsieh, J.C. et al. (1999) <i>Nature</i> 398, 431-6. 2. Liepinsh, E. et al. (2006) <i>J Mol Biol</i> 357, 942-50. 3. Gorfinkiel, N. et al. (2005) <i>Dev Cell</i> 8, 241-53. 4. Glise, B. et al. (2005) <i>Dev Cell</i> 8, 255-66. 5. Wissmann, C. et al. (2003) <i>J Pathol</i> 201, 204-12. 6. Taniguchi, H. et al. (2005) <i>Oncogene</i> 24, 7946-52. 7. Mazieres, J. et al. (2004) <i>Cancer Res</i> 64, 4717-20. 8. Mazieres, J. et al. (2005) <i>Cancer Lett</i> 222, 1-10. 	

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	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: <i>Xenopus</i> Z: zebrafish B: bovine Dg: dog Pg: pig Sc: <i>S. cerevisiae</i> Ce: <i>C. elegans</i> Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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