## Frizzled5 Antibody



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

<b>Applications:</b> W, IP	Reactivity: H	<b>Sensitivity:</b> Transfected Only	<b>MW (kDa):</b> 50-65	<b>Source/Isotype:</b> Rabbit	UniProt ID: #Q13467	Entrez-Gene Id 7855
Product Usage Information		<b>Application</b> Western Blotting Immunoprecipitation			<b>Dilution</b> 1:1000 1:50	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 $\mu$ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		Frizzled5 Antibody detects transfected levels of total frizzled5 protein.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with synthetic peptide corresponding to the amino acid sequence surrounding Ala550 of human frizzled5. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		superfamily (1). Fzds h (CRD), which is involve domain of Dvl proteins and the co-receptors L phosphorylation of β-c some Wnt proteins car (6,7). The mammalian	ave a large extraced in binding to Wns, a major signaling. RP5 or LPR6, and attenin by GSK3-β also activate the Fzd subfamily has	membrane-spanning G-Fellular N-terminal region it proteins (1,2). The intragrommer downstreastivate Wnt/β-catenin p (4,5). In addition to this of Fzd/Ca <sup>2+</sup> pathway and Fill members (Fzd1 to Fzds can also bind to other	containing a cystel acellular C-terminus m of Fzd (3). Wnt pi athway through inh canonical Wnt/β-cat zd/PCP (planar cell d10) and they may	ine-rich domain s binds to the PDZ roteins bind to Fzd hibiting tenin pathway, polarity) pathway mediate signaling
Background References		<ol> <li>Schulte, G. and Bryja, V. (2007) Trends Pharmacol Sci 28, 518-25.</li> <li>Hsieh, J.C. et al. (1999) Proc Natl Acad Sci USA 96, 3546-51.</li> <li>Wong, H.C. et al. (2003) Mol Cell 12, 1251-60.</li> <li>Zeng, X. et al. (2005) Nature 438, 873-7.</li> <li>Davidson, G. et al. (2005) Nature 438, 867-72.</li> <li>Fanto, M. and McNeill, H. (2004) J Cell Sci 117, 527-33.</li> <li>Kohn, A.D. and Moon, R.T. Cell Calcium 38, 439-46.</li> <li>Cadigan, K.M. and Liu, Y.I. (2006) J Cell Sci 119, 395-402.</li> <li>Xu, Q. et al. (2004) Cell 116, 883-95.</li> <li>Nam, J.S. et al. (2006) J Biol Chem 281, 13247-57.</li> <li>Hendrickx, M. and Leyns, L. (2008) Dev Growth Differ 50, 229-43.</li> </ol>				
Species Reactiv	vity	Species reactivity is de	termined by testin	g 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 BSA, 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				
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