

#2064 Store at -20C

## WIF1 Antibody

Cell Signaling  
TECHNOLOGY®Orders: 877-616-CELL (2355)  
orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com  
cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source:	UniProt ID:	Entrez-Gene Id:
WB	M	Transfected Only	42	Rabbit	#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 and 50% glycerol. Store at –20°C. Do not aliquot the antibody.

## Specificity / Sensitivity

WIF1 Antibody detects transfected levels of total WIF1 protein.

## Species predicted to react based on 100% sequence homology:

Human

## Source / Purification

Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gln166 of human WIF1. Antibodies are purified by peptide affinity chromatography.

## 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 *Drosophila*, 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

1. Hsieh, J.C. et al. (1999) *Nature* 398, 431-6.
2. Liepinsh, E. et al. (2006) *J Mol Biol* 357, 942-50.
3. Gorfinkiel, N. et al. (2005) *Dev Cell* 8, 241-53.
4. Glise, B. et al. (2005) *Dev Cell* 8, 255-66.
5. Wissmann, C. et al. (2003) *J Pathol* 201, 204-12.
6. Taniguchi, H. et al. (2005) *Oncogene* 24, 7946-52.
7. Mazieres, J. et al. (2004) *Cancer Res* 64, 4717-20.
8. Mazieres, J. et al. (2005) *Cancer Lett* 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: 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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