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Store at -20C
#5652

WIF1 (D50F9) Rabbit mAb

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

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

W: Western Blotting

Cross-Reactivity Key

H: Human

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