

# WIF1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP2723a

## Product Information

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<b>Application</b>	WB, IHC-P, E
<b>Primary Accession</b>	<a href="#">Q9Y5W5</a>
<b>Other Accession</b>	<a href="#">Q9W6F8</a> , <a href="#">Q6IN38</a> , <a href="#">Q9WUA1</a> , <a href="#">Q9W6F9</a>
<b>Reactivity</b>	Human
<b>Predicted</b>	Zebrafish, Mouse, Rat, Xenopus
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB10582
<b>Calculated MW</b>	41528
<b>Antigen Region</b>	51-80

## Additional Information

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<b>Gene ID</b>	11197
<b>Other Names</b>	Wnt inhibitory factor 1, WIF-1, WIF1
<b>Target/Specificity</b>	This WIF1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 51-80 amino acids from the N-terminal region of human WIF1.
<b>Dilution</b>	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	WIF1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	WIF1
<b>Function</b>	Binds to WNT proteins and inhibits their activities. May be involved in mesoderm segmentation.

## Background

WNT proteins are extracellular signaling molecules involved in the control of embryonic development. WIF1 is a secreted protein, which binds WNT proteins and inhibits their activities. This protein contains a WNT inhibitory factor (WIF) domain and 5 epidermal growth factor (EGF)-like domains. It may be involved in mesoderm segmentation. This protein is found to be present in fish, amphibia and mammals.

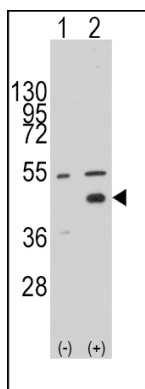
## References

Elston, M.S., *Endocrinology* 149 (3), 1235-1242 (2008)

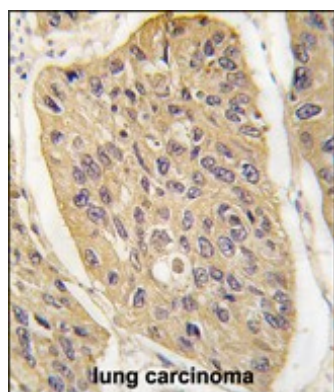
Clement, G., *Cancer Sci.* 99 (1), 46-53 (2008)

Chan, S.L., *Lab. Invest.* 87 (7), 644-650 (2007)

## Images



Western blot analysis of WIF1 (arrow) using rabbit polyclonal WIF1 Antibody (N-term) (Cat.#AP2723a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the WIF1 gene (Lane 2) (Origene Technologies).



Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with WIF1 (Human C-term) (Cat.#AP2723a), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

## Citations

- [Expression and promoter methylation of Wnt inhibitory factor-1 in the development of oral submucous fibrosis.](#)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.