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WIF1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2723a

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9Y5W5
Other Accession	Q9W6F8, Q6IN38, Q9WUA1, Q9W6F9
Reactivity	Human
Predicted	Zebrafish, Mouse, Rat, Xenopus, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB10582
Calculated MW	41528
Antigen Region	51-80

Additional Information

Gene ID	11197
Other Names	Wnt inhibitory factor 1, WIF-1, WIF1
Target/Specificity	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.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	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.
Storage	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.
Precautions	WIF1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

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

Cellular Location Secreted.

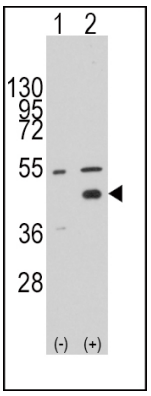
Background

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.

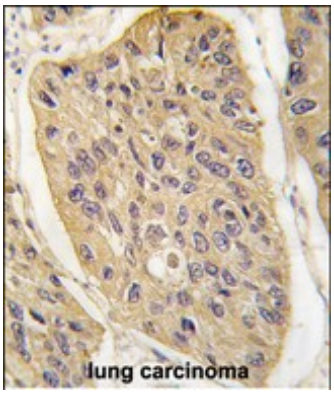
References

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'.