

WIF1 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1463a**Specification**

WIF1 Antibody - Product Information

Application	WB, IHC, IF
Primary Accession	O9Y5W5
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	42kDa KDa

Description

The protein encoded by this gene functions to inhibit WNT proteins, which are extracellular signaling molecules that play a role in embryonic development. This protein contains a WNT inhibitory factor (WIF) domain and five epidermal growth factor (EGF)-like domains, and is thought to be involved in mesoderm segmentation. This gene functions as a tumor suppressor gene, and has been found to be epigenetically silenced in various cancers.

Immunogen

Purified recombinant fragment of human WIF1 expressed in E. Coli.

Formulation

Ascitic fluid containing 0.03% sodium azide.

WIF1 Antibody - Additional Information

Gene ID 11197

Other Names

Wnt inhibitory factor 1, WIF-1, WIF1

Dilution

WB~~1/500 - 1/2000

IHC~~1/200 - 1/1000

IF~~1/200 - 1/1000

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

WIF1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

WIF1 Antibody - Protein Information

Name WIF1

Function

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

Cellular Location

Secreted.

WIF1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

WIF1 Antibody - Images

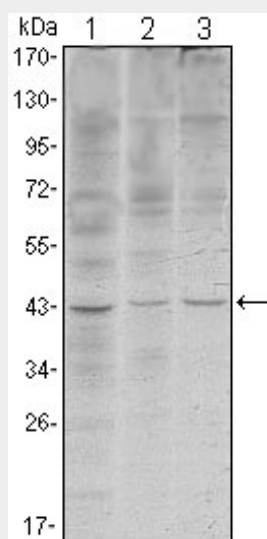


Figure 1: Western blot analysis using WIF1 mouse mAb against HeLa (1), NIH/3T3 (2) and NTERA-2 (3) cell lysate.

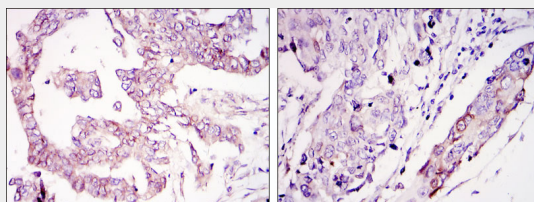


Figure 2: Immunohistochemical analysis of paraffin-embedded ovary tumour tissues (left) and lung cancer (right) using WIF1 mouse mAb with DAB staining.

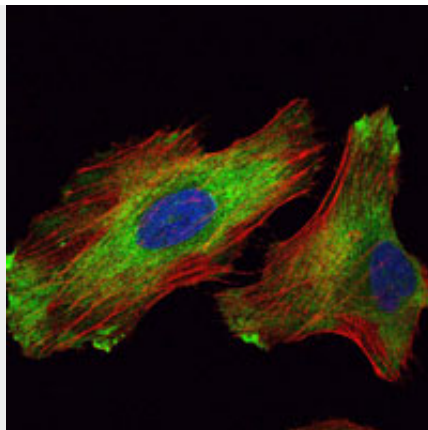


Figure 3: Immunofluorescence analysis of HeLa cells using WIF1 mouse mAb (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

WIF1 Antibody - References

1. BMC Cancer. 2009 Jul 1;9:217.
2. Cancer Res. 2009 Nov 15;69(22):8603-10.