

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

WIF1 Antibody - Product Information

| | |
|-------------------|------------------------|
| Application | WB, IHC, ICC, E |
| 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

ICC~~N/A

E~~N/A

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

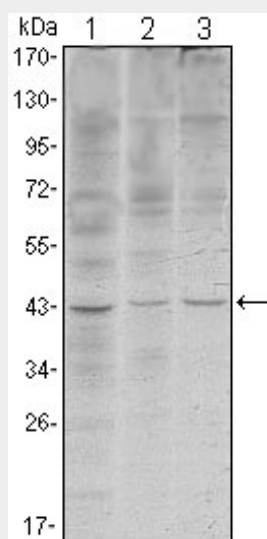


Figure 1: Western blot analysis using WIF1 mouse mAb against HeLa (1), NIH/3T3 (2) and NTERA-2 (3) cell lysate.

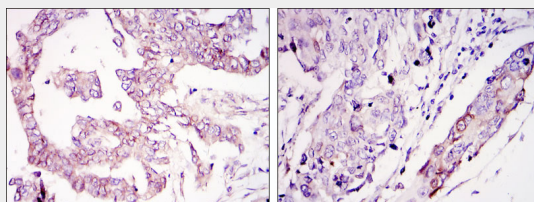


Figure 2: Immunohistochemical analysis of paraffin-embedded ovary tumour tissues (left) and lung cancer (right) using WIF1 mouse mAb with DAB staining.

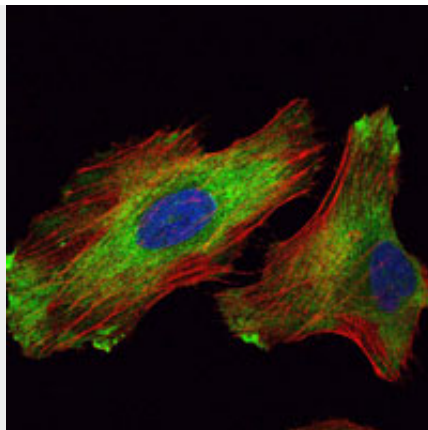


Figure 3: Immunofluorescence analysis of HeLa cells using WIF1 mouse mAb (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

WIF1 Antibody - References

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