10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

WIF1 Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO1463a

Product Information

Application	WB, IHC, ICC, E
Primary Accession	Q9Y5W5
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	1G5
Isotype	IgG1
Calculated MW	41528
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.

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.

Protein Information

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

Cellular Location Secreted.

References

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

Images

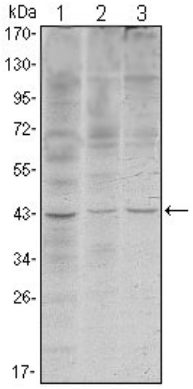

Figure 1: Western blot analysis using WIF1 mouse mAb against Hela (1), NIH/3T3 (2) and NTERA-2 (3) cell lysate.

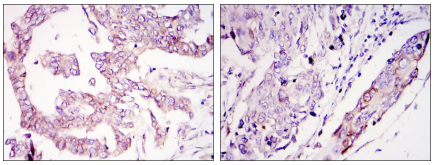

Figure 2: Immunohistochemical analysis of paraffin-embedded ovary tumour tissues (left) and lung cancer (right) using WIF1 mouse mAb with DAB staining.

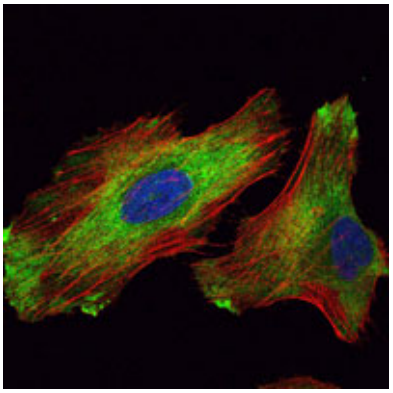

Figure 3: Immunofluorescence analysis of Hela cells using WIF1 mouse mAb (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.