

## WIF-1 Monoclonal Antibody

<b>Catalog No :</b>	YM0648
<b>Reactivity :</b>	Human
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	WIF-1
<b>Fields :</b>	>>Wnt signaling pathway
<b>Gene Name :</b>	WIF1
<b>Protein Name :</b>	Wnt inhibitory factor 1
<b>Human Gene Id :</b>	11197
<b>Human Swiss Prot No :</b>	Q9Y5W5
<b>Mouse Swiss Prot No :</b>	Q9WUA1
<b>Immunogen :</b>	Purified recombinant fragment of human WIF-1 expressed in E. Coli.
<b>Specificity :</b>	WIF-1 Monoclonal Antibody detects endogenous levels of WIF-1 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:200 - 1:1000. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
<b>Purification :</b>	Affinity purification
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	42kD

**Cell Pathway :** WNT;WNT-T CELL

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

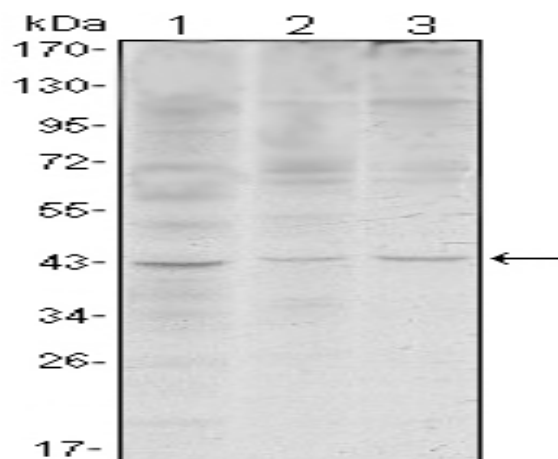
**Background :** The protein encoded by this gene functions to inhibit WNT proteins, which are extracellular signaling molecules that play a role in embryonic development. This protein contains a WNT inhibitory factor (WIF) domain and five epidermal growth factor (EGF)-like domains, and is thought to be involved in mesoderm segmentation. This gene functions as a tumor suppressor gene, and has been found to be epigenetically silenced in various cancers. [provided by RefSeq, Jun 2010],

**Function :** function: Binds to WNT proteins and inhibits their activities. May be involved in mesoderm segmentation., similarity: Contains 1 WIF domain., similarity: Contains 5 EGF-like domains.,

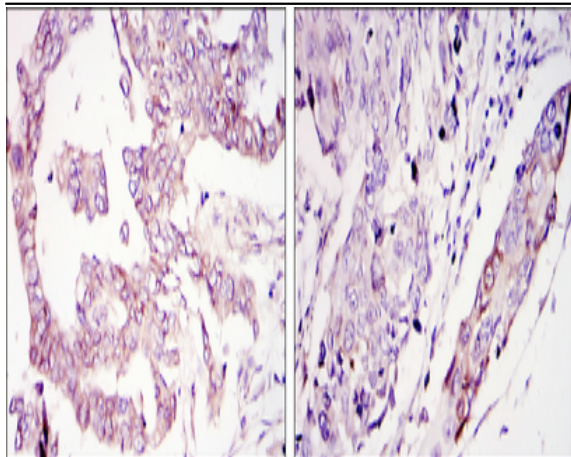
**Subcellular Location :** Secreted.

**Expression :** Brain,

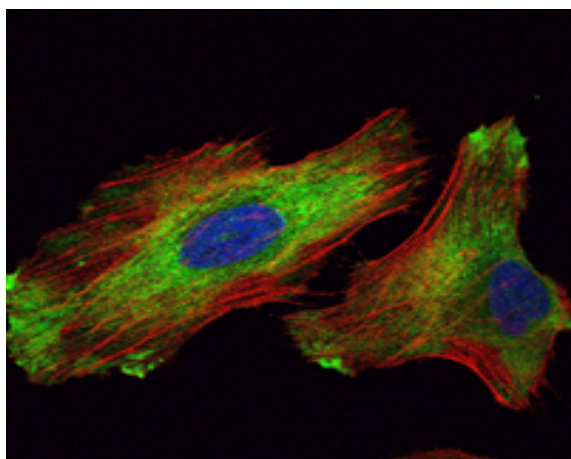
## Products Images



Western Blot analysis using WIF-1 Monoclonal Antibody against HeLa (1), NIH/3T3 (2) and NTERA-2 (3) cell lysate.



Immunohistochemistry analysis of paraffin-embedded ovary tumour tissues (left) and lung cancer (right) with DAB staining using WIF-1 Monoclonal Antibody.



Immunofluorescence analysis of HeLa cells using WIF-1 Monoclonal Antibody (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.