

SPRY1 / Sprouty 1 Antibody (clone 3H4)
Mouse Monoclonal Antibody
Catalog # ALS14077**Specification**

SPRY1 / Sprouty 1 Antibody (clone 3H4) - Product Information

Application	WB, IHC
Primary Accession	O43609
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	35kDa KDa

SPRY1 / Sprouty 1 Antibody (clone 3H4) - Additional Information**Gene ID** 10252**Other Names**

Protein sprouty homolog 1, Spry-1, SPRY1

Target/Specificity

Human SPRY1

Reconstitution & Storage

For long term, store at -20°C. Avoid repeat freeze-thaw cycles.

Precautions

SPRY1 / Sprouty 1 Antibody (clone 3H4) is for research use only and not for use in diagnostic or therapeutic procedures.

SPRY1 / Sprouty 1 Antibody (clone 3H4) - Protein Information**Name** SPRY1**Function**

Inhibits fibroblast growth factor (FGF)-induced retinal lens fiber differentiation, probably by inhibiting FGF-mediated phosphorylation of ERK1/2 (By similarity). Inhibits TGFB-induced epithelial-to-mesenchymal transition in lens epithelial cells (By similarity).

Cellular Location

Cytoplasm. Membrane; Peripheral membrane protein. Note=Found in the cytoplasm in unstimulated cells but is translocated to the membrane ruffles in cells stimulated with EGF (epidermal growth factor)

Volume

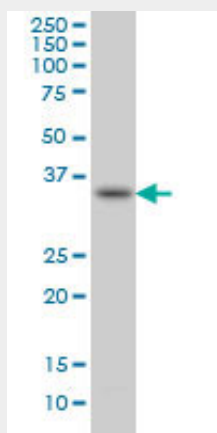
50 µl

SPRY1 / Sprouty 1 Antibody (clone 3H4) - Protocols

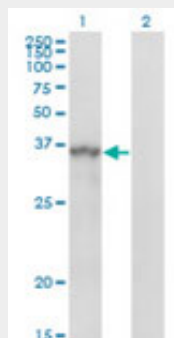
Provided below are standard protocols that you may find useful for product applications.

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

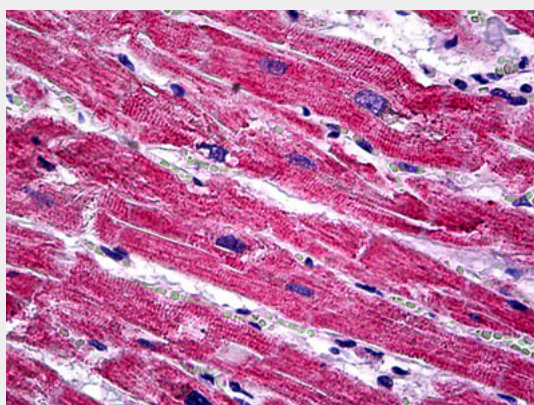
SPRY1 / Sprouty 1 Antibody (clone 3H4) - Images



SPRY1 monoclonal antibody, clone 3H4. Western blot of SPRY1 expression in HepG2.



Western blot of SPRY1 expression in transfected 293T cell line by SPRY1 monoclonal antibody,...



Anti-SPRY1 antibody IHC of human heart.

SPRY1 / Sprouty 1 Antibody (clone 3H4) - Background

May function as an antagonist of fibroblast growth factor (FGF) pathways and may negatively modulate respiratory organogenesis.

SPRY1 / Sprouty 1 Antibody (clone 3H4) - References

Wang L.,et al.Int. J. Mol. Med. 12:783-787(2003).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Raya A.,et al.Submitted (APR-2004) to the EMBL/GenBank/DDBJ databases.
Hacohen N.,et al.Cell 92:253-263(1998).
Bienvenut W.V.,et al.Mol. Cell. Proteomics 11:M111.015131-M111.015131(2012).