

Sprouty Antibody (C-Term)
Peptide-affinity purified goat antibody
Catalog # AF2414a**Specification**

Sprouty Antibody (C-Term) - Product Information

Application	WB, IHC, E
Primary Accession	O43609
Other Accession	NP_005832.1 , NP_955359.1 , 10252
Reactivity	Human, Mouse
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	35122

Sprouty Antibody (C-Term) - Additional Information**Gene ID** 10252**Other Names**

Protein sprouty homolog 1, Spry-1, SPRY1

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

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

Sprouty Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Sprouty Antibody (C-Term) - 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)

Sprouty Antibody (C-Term) - 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](#)

Sprouty Antibody (C-Term) - Images

Sprouty Antibody (C-Term) - Background

NP_005832.1 and NP_955359.1 represent variants of the same protein.

Sprouty Antibody (C-Term) - References

Shp2, an SH2-containing protein-tyrosine phosphatase, positively regulates receptor tyrosine kinase signaling by dephosphorylating and inactivating the inhibitor Sprouty. Hanafusa H, Torii S, Yasunaga T, Matsumoto K, Nishida E. J Biol Chem. 2004 May 28;279(22):22992-5. PMID: 15031289