

Anti-Sprouty 2 SPRY2 Monoclonal Antibody
Catalog # ABO14694**Specification**

Anti-Sprouty 2 SPRY2 Monoclonal Antibody - Product Information

Application	WB, IHC, IF, ICC, IP
Primary Accession	O43597
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human
Clonality	Monoclonal
Format	Liquid

Description

Anti-Sprouty 2 SPRY2 Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human, Rat.

Anti-Sprouty 2 SPRY2 Monoclonal Antibody - Additional Information

Gene ID 10253

Other Names

Protein sprouty homolog 2, Spry-2, SPRY2

Application Details

WB 1:500-1:2000
IHC 1:50-1:200
ICC/IF 1:50-1:200
IP 1:50

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human Sprouty 2 May function as an antagonist of fibroblast growth factor (FGF) pathways and may negatively modulate respiratory organogenesis.

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-Sprouty 2 SPRY2 Monoclonal Antibody - Protein Information

Name SPRY2

Function

Antagonist of fibroblast growth factor (FGF) pathways via inhibition of FGF-mediated

phosphorylation of ERK1/2 (By similarity). Thereby acts as an antagonist of FGF-induced retinal lens fiber differentiation, may inhibit limb bud outgrowth and may negatively modulate respiratory organogenesis (By similarity). Inhibits TGFB- induced epithelial-to-mesenchymal transition in retinal lens epithelial cells (By similarity). Inhibits CBL/C-CBL-mediated EGFR ubiquitination (PubMed:17974561).

Cellular Location

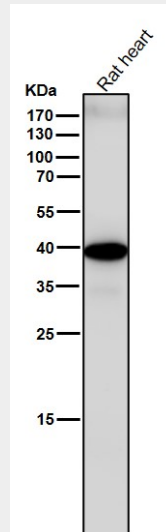
Cytoplasm, cytoskeleton. Cell projection, ruffle membrane. Note=Associated with microtubules in unstimulated cells but is translocated to the membrane ruffles in cells stimulated with EGF (epidermal growth factor)

Anti-Sprouty 2 SPRY2 Monoclonal Antibody - Protocols

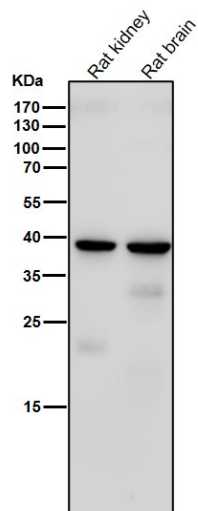
Provided below are standard protocols that you may find useful for product applications.

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

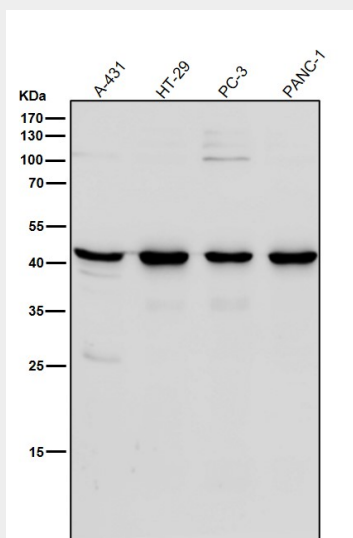
Anti-Sprouty 2 SPRY2 Monoclonal Antibody - Images



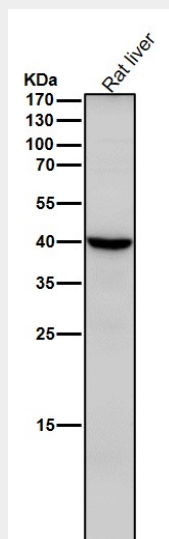
All lanes use the Antibody at 1:3K dilution for 1 hour at room temperature.



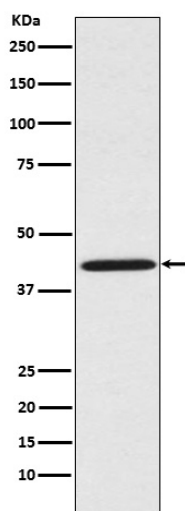
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Western blot analysis of Sprouty 2 expression in HeLa cell lysate.