

# **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

Host
Isotype
Reactivity
Clonality
Format

Primary Accession

O43597
Rabbit
Rabbit IgG
Rat, Human
Monoclonal
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 < br > IHC 1:50-1:200 < br > ICC/IF 1:50-1:200 < br > 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

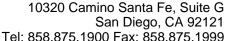
freeze-thaw cycles.

## **Anti-Sprouty 2 SPRY2 Monoclonal Antibody - Protein Information**

Name SPRY2

#### **Function**

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





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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:<a href="http://www.uniprot.org/citations/17974561">http://www.uniprot.org/citations/17974561">http://www.uniprot.org/citations/17974561">http://www.uniprot.org/citations/17974561">http://www.uniprot.org/citations/17974561</a>

#### **Cellular Location**

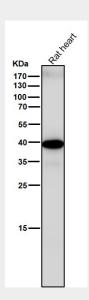
Cytoplasm, cytoskeleton. Cell projection, ruffle membrane. Note=Associated with microtubules in unstimulated cells but is translocated to the membrane ruffles in cells stimulated with EGF (epidermal growth factor)

## **Anti-Sprouty 2 SPRY2 Monoclonal Antibody - Protocols**

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

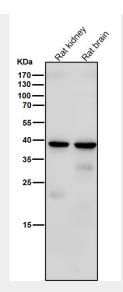
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# **Anti-Sprouty 2 SPRY2 Monoclonal Antibody - Images**

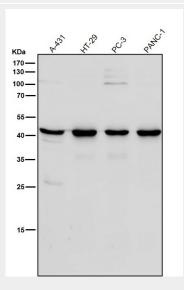


All lanes use the Antibody at 1:3K dilution for 1 hour at room temperature.

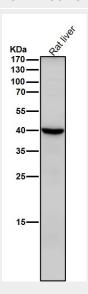




All lanes use the Antibody at 1:3K dilution for 1 hour at room temperature.



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