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**Product Name: Sprouty 2 (405) Rabbit Monoclonal Antibody****Catalog #: AMRe18214**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF
<b>Reactivity</b>	Human,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.5mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:1000-1:5000,IHC 1:50-1:100,ICC/IF 1:100-1:200
<b>Molecular Weight</b>	35kDa

**Antigen Information**

<b>Gene Name</b>	SPRY2
<b>Alternative Names</b>	hSPRY2; Sprouty2; SPRY2;
<b>Gene ID</b>	10253.0
<b>SwissProt ID</b>	O43597
<b>Immunogen</b>	A synthetic peptide of human Spry-2

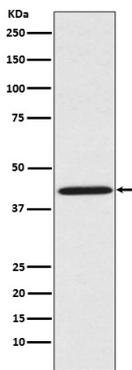
**Background**

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

organogenesis. 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-BL-mediated EGFR ubiquitination (PubMed:17974561).

## Research Area

## Image Data



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