

Product datasheet

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ARG41388 anti-SPRY2 / Sprouty 2 antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes SPRY2 / Sprouty 2

Tested Reactivity Hu, Rat

Tested Application ICC/IF, IHC-P, IP, WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name SPRY2 / Sprouty 2

Species Human

Immunogen Synthetic peptide derived from Human SPRY2 / Sprouty 2.

Conjugation Un-conjugated

Alternate Names Protein sprouty homolog 2; hSPRY2; Spry-2

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	IP	1:50
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 42 kDa	

Properties

Form Liquid

Purification Affinity purified.

Buffer PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

Gene Symbol SPRY2

Gene Full Name sprouty RTK signaling antagonist 2

Background This gene encodes a protein belonging to the sprouty family. The encoded protein contains a carboxyl-

terminal cysteine-rich domain essential for the inhibitory activity on receptor tyrosine kinase signaling proteins and is required for growth factor stimulated translocation of the protein to membrane ruffles. In primary dermal endothelial cells this gene is transiently upregulated in response to fibroblast growth factor two. This protein is indirectly involved in the non-cell autonomous inhibitory effect on fibroblast growth factor two signaling. The protein interacts with Cas-Br-M (murine) ectropic retroviral transforming sequence, and can function as a bimodal regulator of epidermal growth factor

receptor/mitogen-activated protein kinase signaling. This protein may play a role in alveoli branching during lung development as shown by a similar mouse protein. [provided by RefSeq, Jul 2008]

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

respiratory organogenesis. [UniProt]

Calculated Mw 35 kDa

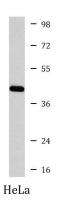
PTM Cleaved at Pro-144 by the prolyl endopeptidase FAP (seprase) activity (in vitro). [UniProt]

Cellular Localization Cytoplasm, cytoskeleton. Cell projection, ruffle membrane. Note=Associated with microtubules in

unstimulated cells but is translocated to the membrane ruffles in cells stimulated ith EGF (epidermal

growth factor). [UniProt]

Images



ARG41388 anti-SPRY2 / Sprouty 2 antibody WB image

Western blot: HeLa cell lysate stained with ARG41388 anti-SPRY2 / Sprouty 2 antibody.