

ARG41388
anti-SPRY2 / Sprouty 2 antibodyPackage: 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

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|---------------------|---|
| 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. |

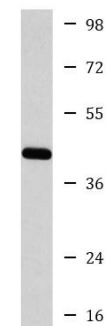
Note

For laboratory research only, not for drug, diagnostic or other 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 with EGF (epidermal growth factor). [UniProt] |

Images



HeLa

ARG41388 anti-SPRY2 / Sprouty 2 antibody WB image

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