ARG41347
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, Ms
Predict Reactivity	Mk
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SPRY2 / Sprouty 2
Species	Human
Immunogen	KLH-conjugated synthetic peptide between aa. 6-35 of Human SPRY2 / Sprouty 2.
Conjugation	Un-conjugated
Alternate Names	Protein sprouty homolog 2; hSPRY2; Spry-2

Application Instructions

Application table

Application	Dilution
WB	1:200 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	A375
Observed Size	38 kDa

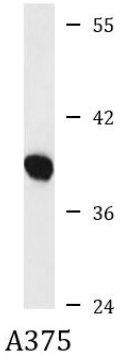
Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide
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 or below. 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

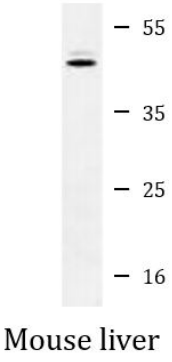
Gene Symbol	SPRY2
Gene Full Name	sprouty RTK signaling antagonist 2
Background	This gene encodes a protein belonging to the sprouty family. The encoded protein contains a carboxyl-terminal cysteine-rich domain essential for the inhibitory activity on receptor tyrosine kinase signaling proteins and is 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 ith EGF (epidermal growth factor). [UniProt]

Images



ARG41347 anti-SPRY2 / Sprouty 2 antibody WB image

Western blot: 25 µg of A375 cell lysate stained with ARG41347 anti-SPRY2 / Sprouty 2 antibody.



ARG41347 anti-SPRY2 / Sprouty 2 antibody WB image

Western blot: 35 µg of Mouse liver lysate stained with ARG41347 anti-SPRY2 / Sprouty 2 antibody.