

For Research Use Only

SPRY2 Polyclonal antibody

Catalog Number: 11383-1-AP

Featured Product

8 Publications



Basic Information

Catalog Number:

11383-1-AP

Size:

150ul, Concentration: 850 ug/ml by Nanodrop and 433 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1918

GenBank Accession Number:

BC015745

GeneID (NCBI):

10253

UNIPROT ID:

O43597

Full Name:

sprouty homolog 2 (Drosophila)

Calculated MW:

35 kDa

Observed MW:

35-40 kDa, 60-65 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

IF/ICC 1:10-1:100

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : SW 1990 cells, Jurkat cells, A375 cells, Neuro-2a cells

IHC : human pancreas cancer tissue,

IF/ICC : A375 cells,

Background Information

Sprouty (SPRY) genes encode intracellular inhibitors of receptor tyrosine kinase (RTK) signaling pathways, including those triggered by fibroblast growth factors (Fgfs). In addition to its well-reported function as an inhibitor of the RAS/RAF/MEK signalling cascade, SPRY2 exerts its inhibitory role in the PI3K/AKT signalling pathway through PTEN, and inhibits ERK/MAPK activity via EGFR trafficking. SPRY2 was detected 60-65 kDa (PMID:29291435).

Notable Publications

Author	Pubmed ID	Journal	Application
Takaharu Taketomi	28921936	Cell Biol Int	WB
Guangying Yang	35682694	Int J Mol Sci	WB
Nai-Jie Fu	35307375	Toxicol Appl Pharmacol	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

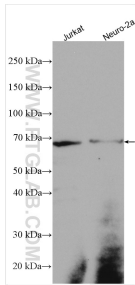
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

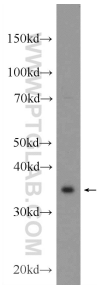
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

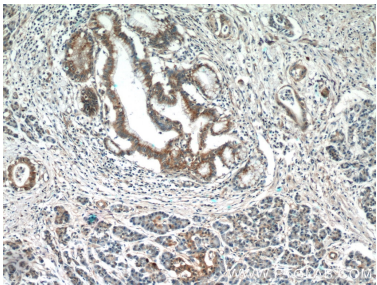
Selected Validation Data



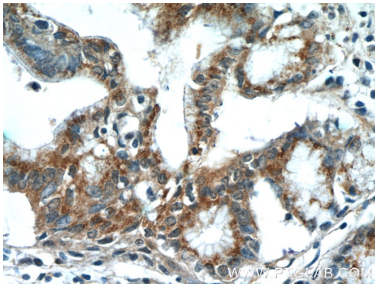
Various lysates were subjected to SDS PAGE followed by western blot with 11383-1-AP (SPRY2 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



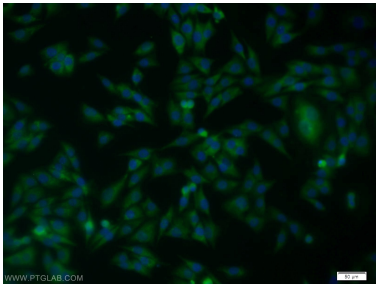
SW 1990 cells were subjected to SDS PAGE followed by western blot with 11383-1-AP (SPRY2 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



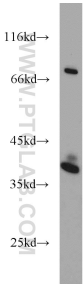
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 11383-1-AP (SPRY2 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 11383-1-AP (SPRY2 Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of A375 cells using 11383-1-AP (SPRY2 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).



A375 cells were subjected to SDS PAGE followed by western blot with 11383-1-AP (SPRY2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.