

For Research Use Only

# SPRY4 Polyclonal antibody

Catalog Number: 22765-1-AP

Featured Product

6 Publications



## Basic Information

<b>Catalog Number:</b> 22765-1-AP	<b>GenBank Accession Number:</b> BC125095	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 700 µg/ml by Nanodrop and 313 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 81848	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> sprouty homolog 4 (Drosophila)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 299 aa, 33 kDa	
<b>Immunogen Catalog Number:</b> AG18574	<b>Observed MW:</b> 35-38 kDa	

## Applications

<b>Tested Applications:</b> FC, IHC, WB, ELISA	<b>Positive Controls:</b> WB : A375 cells, IHC : human cervical cancer tissue, human heart tissue
<b>Cited Applications:</b> IF, IHC, WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human	

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

## Background Information

SPRY4, also named as Protein sprouty homolog 4, is a 299 amino acid protein, which contains one SPR (sprouty) domain and belongs to the sprouty family. SPRY4 suppresses the INS receptor and EGFR-transduced MAPK signaling pathway, but does not inhibit MAPK activation by a constitutively active mutant Ras. Probably impairs the formation of GTP-Ras. SPRY4 has a cellular function to regulate the actin cytoskeleton, independent of its inhibitory activity on the Ras/MAP kinase signalling. SPRY1, SPRY2, SPRY3, SPRY4, are central and complex regulators of the receptor tyrosine kinase (RTK) signalling pathway.

## Notable Publications

Author	Pubmed ID	Journal	Application
Na Li	36082406	Adipocyte	WB
Jing Li	31645544	Cell Death Dis	WB, IHC
Shini Liu	34464356	J Clin Invest	WB

## Storage

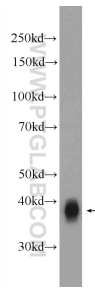
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

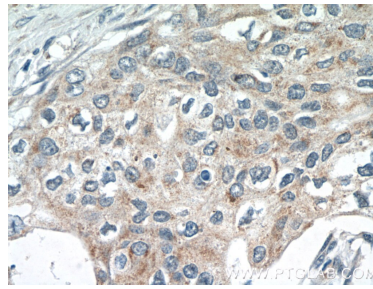
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

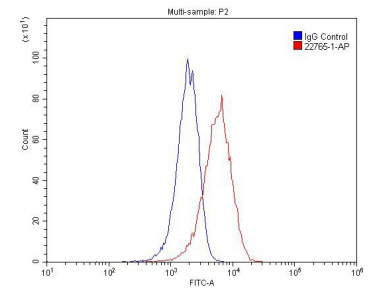
## Selected Validation Data



A375 cells were subjected to SDS PAGE followed by western blot with 22765-1-AP (SPRY4 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 22765-1-AP (SPRY4 Antibody) at dilution of 1:50 (under 40x lens).



1X10<sup>6</sup> HeLa cells were stained with 0.2ug SPRY4 antibody (22765-1-AP, red) and control antibody (blue). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500. Cells were fixed with 4% PFA and permeabilized with 0.1% Triton X-100.