

For Research Use Only

# SFRP4 Polyclonal antibody

Catalog Number: 15328-1-AP

Featured Product

16 Publications



## Basic Information

### Catalog Number:

15328-1-AP

### Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG6909

### GenBank Accession Number:

BC058911

### GeneID (NCBI):

6424

### UNIPROT ID:

Q6FHJ7

### Full Name:

secreted frizzled-related protein 4

### Calculated MW:

40 kDa

### Observed MW:

41-51 kDa, 55 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, rat

### Cited Species:

human, mouse

### Positive Controls:

WB : HEK-293 cells, HeLa cells

IP : HeLa cells,

IHC : human breast cancer tissue, human skin cancer tissue, rat testis tissue

**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

Secreted frizzled-related protein 4 (SFRP4) is a member of the SFRP family that contains a cysteine-rich domain homologous to the putative Wnt-binding site of Frizzled proteins. SFRP4 functions as a suppressor of tumor growth via inhibition of the Wnt signaling pathway. Downregulation or deletion of SFRP4 has been reported in several cancers and cell lines such as endometrial cancer, ovarian cancer, lung cancer, and others. This antibody got 41-51 kDa and 55 kDa bands in western blotting maybe due to differential posttranslational protein modification.

## Notable Publications

Author	Pubmed ID	Journal	Application
Elise Sandsmark	29079735	Sci Rep	IHC
Martin Mørck Mortensen	26522007	Sci Rep	IHC
Rujue Jin	35347304	Gene Ther	WB, IHC

## Storage

### Storage:

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

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

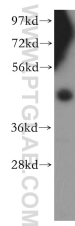
For technical support and original validation data for this product please contact:

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

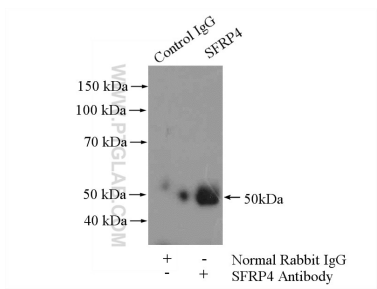
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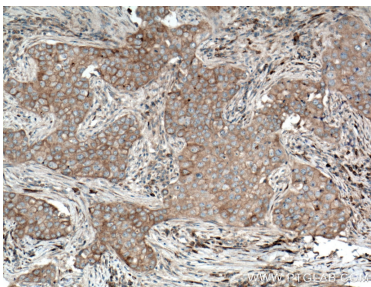
Selected Validation Data



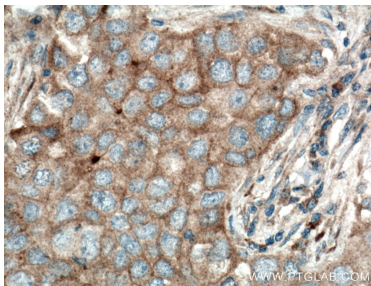
HEK-293 cells were subjected to SDS PAGE followed by western blot with 15328-1-AP (SFRP4 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



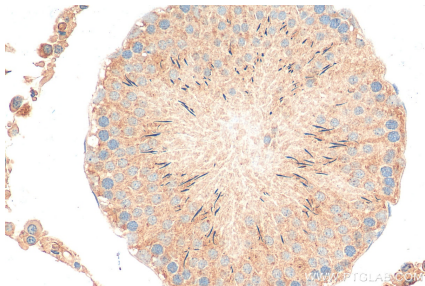
IP result of anti-SFRP4 (IP:15328-1-AP, 4ug; Detection:15328-1-AP 1:500) with HeLa cells lysate 2000ug.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 15328-1-AP (SFRP4 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 15328-1-AP (SFRP4 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using 15328-1-AP (SFRP4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).