

For Research Use Only

SFRP4 Polyclonal antibody

Catalog Number: 15328-1-AP

Featured Product

15 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

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 : HEK-293 cells, HeLa cells

IP : HeLa cells,

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

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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

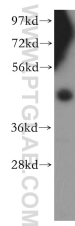
For technical support and original validation data for this product please contact:

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

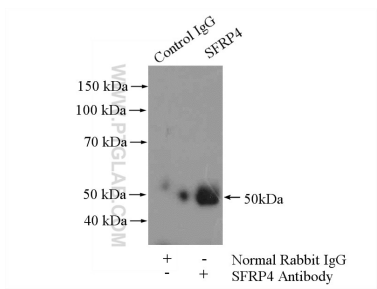
E: proteintech@ptglab.com
W: ptglab.com

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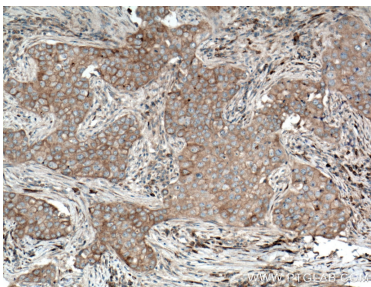
Selected Validation Data



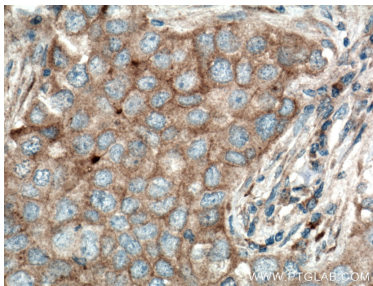
HEK-293 cells were subjected to SDS PAGE followed by western blot with 15328-1-AP (SFRP4 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



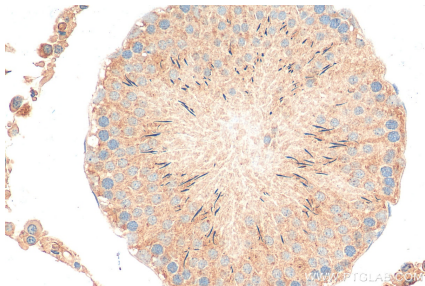
IP result of anti-SFRP4 (IP:15328-1-AP, 4ug; Detection:15328-1-AP 1:500) with HeLa cells lysate 2000ug.



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).