

For Research Use Only

# SFRP5 Polyclonal antibody

Catalog Number: 14283-1-AP



## Basic Information

<b>Catalog Number:</b> 14283-1-AP	<b>GenBank Accession Number:</b> BC050435	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 300 µg/ml	<b>GeneID (NCBI):</b> 6425	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500 IF 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q5T4F7	
<b>Isotype:</b> IgG	<b>Full Name:</b> secreted frizzled-related protein 5	
<b>Immunogen Catalog Number:</b> AG5555	<b>Calculated MW:</b> 36 kDa <b>Observed MW:</b> 36-42 kDa	

## Applications

**Tested Applications:**  
IF/ICC, IHC, WB, ELISA

**Species Specificity:**  
human, mouse, rat

**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:** HUVEC cells, LO2 cells, mouse heart tissue, mouse retina tissue

**IHC:** human thyroid cancer tissue, human cervical cancer tissue, mouse heart tissue, rat eye tissue

**IF:** A549 cells,

## Background Information

Secreted frizzled-related protein 5 (SFRP5) is an anti-inflammatory adipokine whose expression is perturbed in models of obesity and type 2 diabetes. SFRP5 is secreted by adipocytes and that it controls the micro-environment of white adipose tissue under conditions of metabolic stress (PMID: 20558665). SFRP5 gene consists of 317 amino acid residues and 3 coding exons and maps to chromosome 10q24.1 in humans. SFRP5 was initially found to be highly expressed in retinal pigment epithelium cells and moderately expressed in the pancreas. SFRP5 is involved in the pathological process of obesity, insulin resistance, dyslipidemia, inflammation, and fibrosis and is associated with obesity, T2D, and ASCVD (PMID: 31199714, PMID: 32004418).

## 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

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

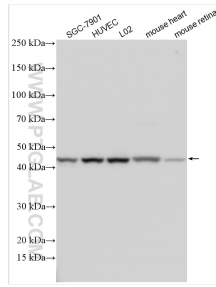
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

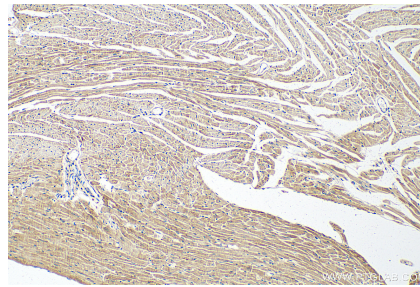
W: [ptgcn.com](http://ptgcn.com)

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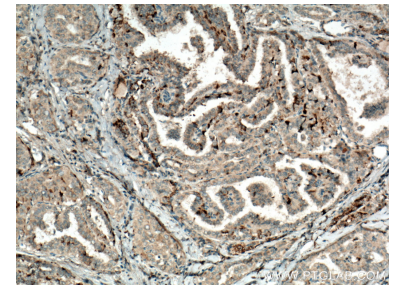
## Selected Validation Data



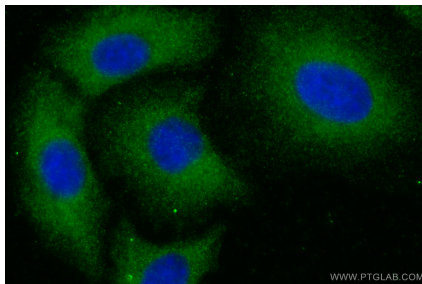
Various lysates were subjected to SDS PAGE followed by western blot with 14283-1-AP (SFRP5 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 14283-1-AP (SFRP5 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 thyroid cancer tissue slide using 14283-1-AP (SFRP5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using SFRP5 antibody (14283-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).