

For Research Use Only

# SFRP5 Polyclonal antibody

Catalog Number: 19177-1-AP



## Basic Information

**Catalog Number:**

19177-1-AP

**Size:**

150ul , Concentration: 550 ug/ml by Nanodrop and 240 ug/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG5715

**GenBank Accession Number:**

BC050435

**GeneID (NCBI):**

6425

**UNIPROT ID:**

Q5T4F7

**Full Name:**

secreted frizzled-related protein 5

**Calculated MW:**

36 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

IHC 1:50-1:500

## Applications

**Tested Applications:**

IHC, 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:**

IHC : human cervical cancer tissue, human thyroid cancer tissue

## 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

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

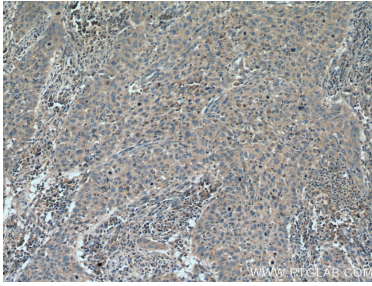
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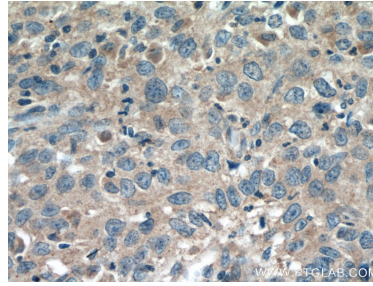
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 19177-1-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 cervical cancer tissue slide using 19177-1-AP (SFRP5 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).