

For Research Use Only

SFRP5 Polyclonal antibody

Catalog Number: 19177-1-AP



Basic Information

Catalog Number: 19177-1-AP	GenBank Accession Number: BC050435	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 550 µg/ml by Nanodrop and 240 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6425	Recommended Dilutions: IHC 1:50-1:500
Source: Rabbit	Full Name: secreted frizzled-related protein 5	
Isotype: IgG	Calculated MW: 36 kDa	
Immunogen Catalog Number: AG5715		

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : human cervical cancer tissue, human thyroid cancer tissue
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	

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

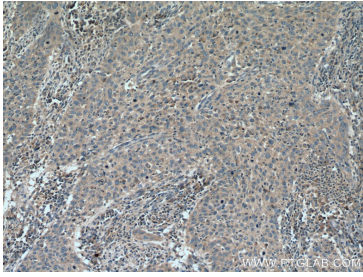
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

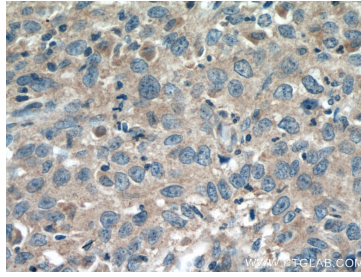
For technical support and original validation data for this product please contact:
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Selected Validation Data



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).