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SFRP5 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12966C

Product Information

Application	WB, IHC-P-Leica, E
Primary Accession	Q5T4F7
Other Accession	Q9XSC1, NP_003006.2
Reactivity	Human, Mouse
Predicted	Bovine, Rat, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB32418
Calculated MW	35563
Antigen Region	190-219

Additional Information

Gene ID	6425
Other Names	Secreted frizzled-related protein 5, sFRP-5, Frizzled-related protein 1b, FRP-1b, Secreted apoptosis-related protein 3, SARP-3, SFRP5, FRP1B, SARP3
Target/Specificity	This SFRP5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 190-219 amino acids from the Central region of human SFRP5.
Dilution	WB~~1:1000 IHC-P-Leica~~1:500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SFRP5 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SFRP5
Synonyms	FRP1B, SARP3

Function	Soluble frizzled-related proteins (sFRPS) function as modulators of Wnt signaling through direct interaction with Wnts. They have a role in regulating cell growth and differentiation in specific cell types. SFRP5 may be involved in determining the polarity of photoreceptor, and perhaps, other cells in the retina.
Cellular Location	Secreted.
Tissue Location	Highly expressed in the retinal pigment epithelium (RPE) and pancreas. Weak expression in heart, liver and muscle

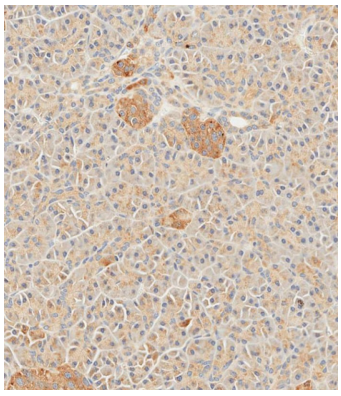
Background

Secreted frizzled-related protein 5 (SFRP5) is a member of the SFRP family that contains a cysteine-rich domain homologous to the putative Wnt-binding site of Frizzled proteins. SFRPs act as soluble modulators of Wnt signaling. SFRP5 and SFRP1 may be involved in determining the polarity of photoreceptor cells in the retina. SFRP5 is highly expressed in the retinal pigment epithelium, and moderately expressed in the pancreas. [provided by RefSeq].

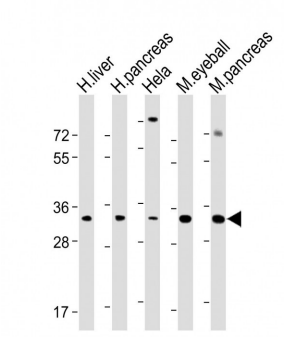
References

Su, H.Y., et al. Int. J. Cancer 127(3):555-567(2010)
Sharma, S., et al. Am. J. Respir. Crit. Care Med. 181(4):328-336(2010)
Jost, E., et al. Cancer Lett. 281(1):24-31(2009)
Zhao, C., et al. BMC Cancer 9, 224 (2009) :
Tanaka, J., et al. Hepatogastroenterology 55(85):1265-1268(2008)

Images



Immunohistochemical analysis of paraffin-embedded human pancreas tissue using AP12966c performed on the Leica® BOND RXm. Samples were incubated with primary antibody(1/500) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



All lanes : Anti-SFRP5 Antibody (Center) at 1:2000 dilution Lane 1: Human liver lysate Lane 2: Human pancreas lysate Lane 3: Hela whole cell lysate Lane 4: Mouse eyeball lysate Lane 5: Mouse pancreas lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 36 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.