

For Research Use Only

FAM3C Polyclonal antibody

Catalog Number: 14247-1-AP

7 Publications



Basic Information

Catalog Number:

14247-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 366 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5516

GenBank Accession Number:

BC046932

GeneID (NCBI):

10447

UNIPROT ID:

Q92520

Full Name:

family with sequence similarity 3, member C

Calculated MW:

25 kDa

Observed MW:

25 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human

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 : HCT 116 cells, human brain tissue, human heart tissue, HEK-293 cells, HT-29 cells, HepG2 cells

IHC : human pancreas tissue, human stomach cancer tissue

Background Information

FAM3C, also known as ILEI, is a secreted protein belonging to the cytokine-like protein family. FAM3C is a signaling cytokine with a GG domain, hydrophobic leader sequence and an N-terminal signal peptide. A change in expression of this protein has been noted in pancreatic cancer-derived cells. FAM3C has been involved in the epithelial to mesenchymal transition, and retinal laminar formation processes in vertebrates. Also, FAM3C may play an important role in inner ear development and thus be involved in cell differentiation and proliferation during inner ear embryogenesis.

Notable Publications

Author	Pubmed ID	Journal	Application
Xiaochao Tan	34144984	Sci Adv	WB
Hongyu Yuan	35982901	Int J Biol Sci	WB, IHC
Shuai Yin	31949820	Int J Clin Exp Pathol	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

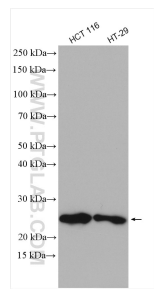
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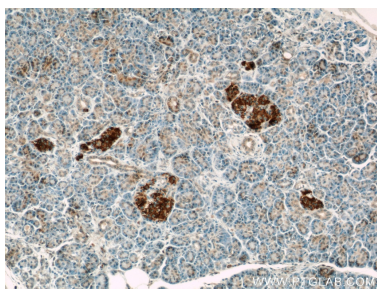
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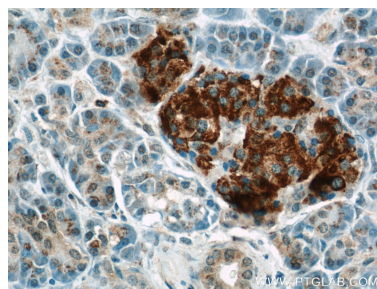
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14247-1-AP (FAM3C antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas using 14247-1-AP (FAM3C antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human pancreas using 14247-1-AP (FAM3C antibody) at dilution of 1:50 (under 40x lens).