Product Datasheet

FAM3B antibody

Catalog No: #38181

Package Size: #38181-1 50ul #38181-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

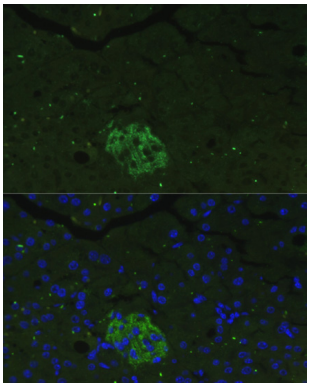
Description

Product Name	FAM3B antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	IHC,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total FAM3B protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human FAM3B.
Target Name	FAM3B
Other Names	FAM3B;2-21;C21orf11;C21orf76;ORF9;PANDER;PRED44;
Accession No.	Swiss-Prot#: P58499NCBI Gene ID: 54097
Uniprot	P58499
GeneID	54097;
SDS-PAGE MW	26kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

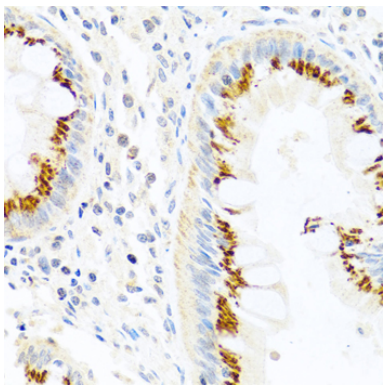
Application Details

IHC□1:100 - 1:200IF□1:100 - 1:200

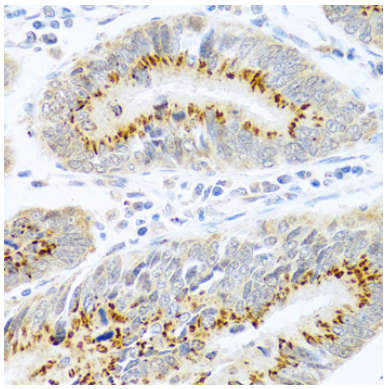
Images



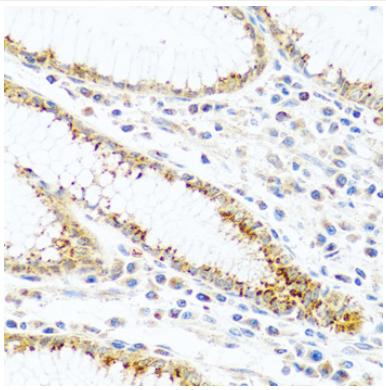
Immunofluorescence analysis of mouse pancreas cells using FAM3B at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunohistochemistry of paraffin-embedded human colon using FAM3B at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human colon carcinoma using FAM3B at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human stomach using FAM3B at dilution of 1:100 (40x lens).

Background

FAM3B (family with sequence similarity 3, member B), also known as ORF9, C21orf11 or PANDER, is a 235 amino acid secreted protein that localizes to discrete vesicular and perinuclear structures. Expressed at high levels in pancreas and at lower levels in kidney, colon, testis, prostate and small intestine, FAM3B functions as an islet-specific cytokine that promotes apoptosis and may inhibit Insulin secretion from beta-cells, possibly playing a role in overall pancreatic activity. Human FAM3B shares 78% sequence identity with its mouse counterpart, suggesting a conserved role between species. Three isoforms of FAM3B, designated A, B and C, exist due to alternative splicing events. The gene encoding FAM3B maps to human chromosome 21, which houses approximately 300 genes and comprises nearly 1.5% of the human genome.

Note: This product is for in vitro research use only