SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-FAM3B antibody

SL0711R

Product Name	FAM3B
Chinese Name	胰腺衍生因子抗体
Alias	C21orf11; PANDER; Cytokine like protein 2 21; PRED44; PANcreatic DERived factor; Protein FAM3B; Protein FAM3B precursor; Family with sequence similarity 3, member B isoform a; FAM3B_MOUSE.
Research Area	immunology Apoptosis Diabetes
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Rat, (predicted: Human, Mouse,)
Applications	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	23kDa
Cellular localization	Secretory protein
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human FAM3B: 1-100/235
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed

Product Detail

FAM3B has delayed effects on beta-cell function, inhibiting basal insulin secretion from a beta-cell line in a dose-dependent manner. [Subcellular Location] Secreted. Note=Localized in discrete vesicular and perinuclear structure. Highly expressed in the pancreas. Also found in the colon, kidney, prostate, small intestine and testis. 2 N-termini have been observed in the mature protein: the first at Glu-30, resulting from signal peptide cleavage, the second at Ser-46. Belongs to the FAM3 family.

Function:
Induces apoptosis of alpha and beta cells in a dose- and time-dependent manner.

Subcellular Location:
Secreted. Note=Present in insulin secretory granules and likely cosecreted with insulin. Localized in discrete vesicular and perinuclear structure.

Tissue Specificity:
Highly expressed in the pancreas. Also found in the colon, kidney, prostate, small intestine and testis.

Post-translational modifications:
2 N-termini have been observed in the mature protein: the first at Glu-30, resulting from signal peptide cleavage, the second at Ser-46.
O-glycosylated.

Similarity:
Belongs to the FAM3 family.

SWISS:
Q9D309

Gene ID:
52793

Database links:

Entrez Gene: 54097 Human

Entrez Gene: 52793 Mouse

Omim: 608617 Human

SwissProt: P58499 Human

SwissProt: Q9D309 Mouse

Unigene: 473877 Human

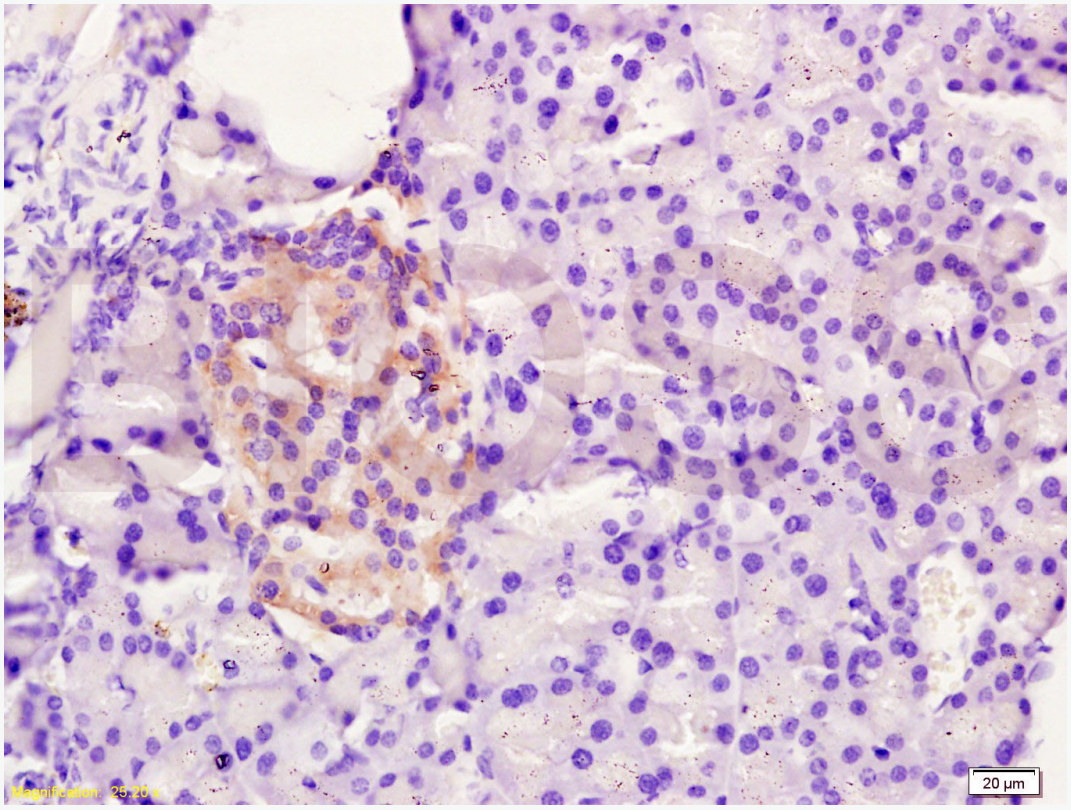
SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Unigene: 670704 Human

Unigene: 327932 Mouse

胰腺衍生因子（PANcreatic DERived fa*ctor，PANDER）是新发现的一种新型的胰岛 cell factor、由胰岛 α 细胞和 β 细胞分泌的一种分泌型 cell factor，与 βApoptosis 密切相关 ，可以诱导胰岛素分泌 β 细胞，主要用于 Diabetes 的研究。

Product Picture



Tissue/cell: rat pancreas tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;

Incubation: Anti-FAM3B/PANDER Polyclonal Antibody,

Unconjugated(SL0711R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining