Rabbit FAM3B Polyclonal Antibody | anti-FAM3B antibody

FAM3B Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326008	**Rabbit**	**Human, Mouse, Rat**	**ELISA, Immunohistochemistry, Western Blot**

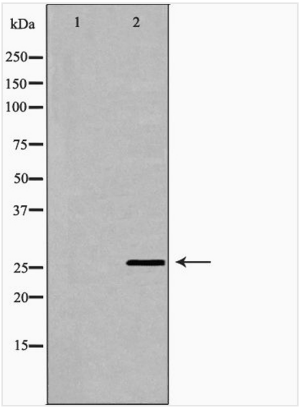
PRODUCT SYNONYMS

FAM3B; Polyclonal Antibody; FAM3B Antibody; 2-21; C21orf11; C21orf76; Cytokine like protein 2 21; Cytokine-like protein 2-21; Fam3b; FAM3B_HUMAN; Family with sequence similarity 3 member B; ORF9; Pancreatic-derived factor; PANDER; PRED44; Protein FAM3B; anti-FAM3B antibody

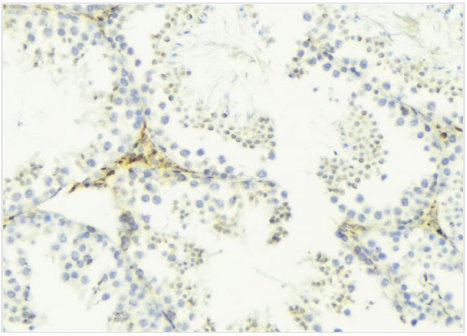
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	FAM3B antibody detects endogenous levels of total FAM3B
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	235
Applicable Applications for anti-FAM3B antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human FAM3B
Subcellular Location	Secreted. 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.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of PC-3 lysate using FAM3B antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)
AAA326008 at 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-FAM3B antibody	Description: 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. Function: Induces apoptosis of alpha and beta cells in a dose-and time-dependent manner. 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	46255030
NCBI GeneID	54097
NCBI Accession #	NP_478066.3
NCBI GenBank Nucleotide #	NM_058186.3
UniProt Accession #	P58499
Molecular Weight	Observed: 26 kDa Predicted: 26 kDa
NCBI Official Full Name	protein FAM3B isoform a
NCBI Official Synonym Full Names	family with sequence similarity 3 member B
NCBI Official Symbol	FAM3B
NCBI Official Synonym Symbols	2-21; ORF9; PANDER; PRED44; C21orf11; C21orf76
NCBI Protein Information	protein FAM3B
UniProt Protein Name	Protein FAM3B
UniProt Gene Name	**FAM3B**
UniProt Synonym Gene Names	C21orf11; C21orf76; PANDER

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://www.aaabiotech.com/polyclonal/fam3b-antibody-immunohistochemistry-western-blot-elisa/326008