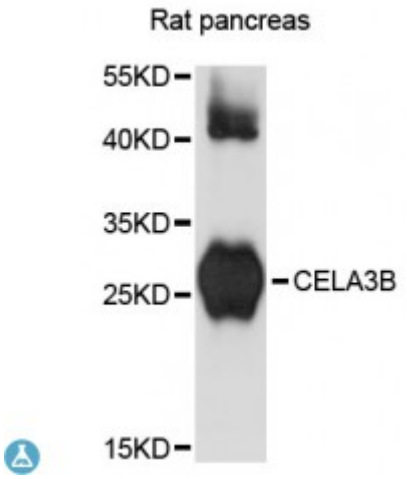
Anti-CELA3B Antibody



Description	Elastases form a subfamily of serine proteases that hydrolyze many proteins in addition to elastin. Humans have six elastase genes which encode the structurally similar proteins elastase 1, 2, 2A, 2B, 3A, and 3B. Unlike other elastases, elastase 3B has little elastolytic activity. Like most of the human elastases, elastase 3B is secreted from the pancreas as a zymogen and, like other serine proteases such as trypsin, chymotrypsin and kallikrein, it has a digestive function in the intestine. Elastase 3B preferentially cleaves proteins after alanine residues. Elastase 3B may also function in the intestinal transport and metabolism of cholesterol. Both elastase 3A and elastase 3B have been referred to as protease E and as elastase 1, and excretion of this protein in fecal material is frequently used as a measure of pancreatic function in clinical assays.

Model	STJ115668
Host	Rabbit
Reactivity	Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 80-190 of human CELA3B (NP_031378.1).
Gene ID	23436
Gene Symbol	CELA3B
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Pancreas, Not detectable in keratinocytes
Purification	Affinity purification

Note	For Research Use Only (RUO).
Protein Name	Chymotrypsin-like elastase family member 3B
Molecular Weight	29.263 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:15945
Alternative Names	Chymotrypsin-like elastase family member 3B
Function	Efficient protease with alanine specificity but only little elastolytic activity

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