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Datasheet for 100-4180

Trypsinogen Antibody

Overview

Description:	Anti-Trypsinogen (RABBIT) Antibody - 100-4180
Item No.:	100-4180
Size:	2 mL
Applications:	WB
Reactivity:	Bovine
Host Species:	Rabbit

Product Details

Background:	Trypsinogen, is a precursor to trypsin and a digestive enzyme. It functions as storage of an inactive form of trypsin and kept in the pancreas then released in significant amount, along with other enzymes, when required for protein digestion. Serum trypsinogen is measured using a blood test. Diseases associated with Trypsinogen high levels or mutations are acute pancreatitis and cystic fibrosis. Anti-Trypsinogen Antibody can be useful for researchers interested in studying the serum or pancreas.
Synonyms:	rabbit anti-Trypsinogen Antibody, Brain trypsinogen antibody, Cationic trypsinogen antibody, Mesotrypsinogen antibody, Pancreatic anionic trypsinogen antibody, PRSS2 antibody
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Gene Name:	PRSS2
Reactivity:	Bovine
Immunogen Type:	Native Protein
Immunogen:	Trypsinogen [Bovine Pancreas]

Purity/Specificity:	This product was prepared from monospecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-rabbit serum, purified and partially purified Trypsinogen [Bovine Pancreas]. Cross reactivity against Trypsinogen from other tissues and species may occur but have not been specifically determined.
Relevant Links:	• UniProtKB - Q29463 • NCBI - AAI42037.1 • GeneID - 282603

Application Details

Suggested Applications:	WB (Based on references)
Application Note:	TRYPSINOGEN Antibody has been assayed against 1.0 ug of Trypsinogen [Bovine Pancreas] in a standard ELISA using Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&L] (Goat) code #611-1302 and (ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:2,300 to 1:8,400 of the reconstitution concentration is suggested for this product.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:40,000
IHC:	User Optimized
WB:	1:1,000 - 1:4,000

Formulation

Physical State:	Lyophilized
Concentration:	75 mg/mL by Refractometry
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None
Reconstitution Volume:	2.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

References

- Zhang P et al. The PERK eukaryotic initiation factor 2α kinase is required for the development of the skeletal system, postnatal growth, and the function and viability of the pancreas. *Mol Cell Biol.* (2002)

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