

Datasheet for 200-4180S**Trypsinogen Antibody****Overview**

Description:	Anti-Trypsinogen (RABBIT) Antibody - 200-4180S
Item No.:	200-4180S
Size:	25 µL
Applications:	Dot Blot, ELISA, 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, Protease, serine, 2 antibody, PRSS2 antibody
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

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

Purity/Specificity: Anti-Trypsinogen is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum as well as 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

Tested Applications: Dot Blot, ELISA

Suggested Applications: WB (Based on references)

Application Note: Trypsinogen Antibody has been tested by ELISA and dot blot and is 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: 1:5,000 - 1:25,000

WB: 1:500 - 1:3,000

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 mg/ml by UV absorbance at 280 nm

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: 0.01% (w/v) Sodium Azide

Stabilizer: None

Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.

Expiration: Expiration date is one (1) year from date of receipt.

References

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

Disclaimer

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