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Datasheet for 100-4179

Trypsin Inhibitor Antibody

Overview

Description:	Anti-Trypsin Inhibitor (RABBIT) Antibody - 100-4179
Item No.:	100-4179
Size:	2 mL
Applications:	WB
Reactivity:	Soybean
Host Species:	Rabbit

Product Details

Background:	Soy Bean Trypsin Inhibitor is a serine protease inhibitor, an inhibitor of trypsin, therefore preventing the further breakdown of proteins.
Synonyms:	rabbit anti-Trypsin Inhibitor Antibody, 25 kDa trypsin inhibitor (Protease inhibitor 15 preproprotein) antibody, CRISP8 antibody, KTi antibody, Kti S antibody, KTi3 antibody, KtiS antibody, Kunitz trypsin inhibitor antibody, Kunitz type trypsin inhibitor A antibody
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Gene Name:	KTI3
Reactivity:	Soybean
Immunogen Type:	Native Protein
Immunogen:	Trypsin Inhibitor [Soy Bean]
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 Trypsin Inhibitor [Soy Bean]. Cross reactivity against Trypsin Inhibitor from other tissues and species may occur but have not been specifically determined.
Relevant Links:	

- UniProtKB - P01070
- NCBI - P01070.2
- GeneID - 547831

Application Details

Tested Applications:	WB
Application Note:	Anti-Trypsin Inhibitor has been tested by western blot and is suitable to be assayed against 1.0 ug of Trypsin Inhibitor [Lima Bean] 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 1:200 to 1:1,000 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:	1:3,000 - 1:15,000
IHC:	User Optimized
WB:	1:500 - 1:2,000

Formulation

Physical State:	Lyophilized
Concentration:	85 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

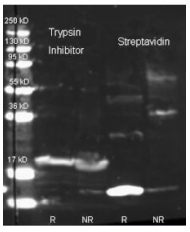
Shipping Condition:	Ambient

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.

Images



Western Blot
Rockland Rabbit anti Soybean Trypsin Inhibitor antibody was used to detect purified Soybean Trypsin Inhibitor. Samples of ~1 and 0.25 ug of purified Soybean Trypsin Inhibitor per lane were run by SDS-PAGE under reducing and non-reducing conditions and reduced samples of protein contained 4% BME and were boiled for 5 minutes. Protein was transferred to nitrocellulose and probed with Rockland Rabbit anti Soybean Trypsin Inhibitor antibody (200-4679 lot 6594 1:5K in MB-0070, ON 4 C). Primary antibody was detected with Rockland Dylight 488 conjugated Streptavidin (S000-41 Lot 21091, 1:5K) and Atto 425 conjugated goat anti rabbit (611-151-122 lot 26423C 1:10K 1.5 hr RT in MB-070) and imaged on the BioRad VersaDoc imaging system.



Western Blot
Rockland Biotin conjugated Rabbit anti-trypsin inhibitor antibody (200-4679 lot 6594) and Rabbit anti streptavidin (200-4195 lot 23495) were used to detect target proteins Trypsin Inhibitor (left) and Streptavidin (right) under reducing (R) and non-reducing (NR) conditions. Reduced samples of purified target proteins contained 4% BME and were boiled for 5 minutes. Samples of ~1ug of protein per lane were run by SDS-PAGE. Protein was transferred to nitrocellulose and probed with 1:1000 dilution of primary antibody (ON 4 C). Detection shown was using Dylight 649 conjugated Donkey anti rabbit (611-743-127 lot 20831 1:10K 1.5 hr RT in MB-070) and imaged on the BioRad VersaDoc System

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.