

Datasheet for ABIN1607811

**anti-Trypsin Inhibitor antibody (Biotin)****1** Image[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	Trypsin Inhibitor
Reactivity:	Soybean
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Trypsin Inhibitor antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	Anti-Trypsin Inhibitor was produced by repeated immunizations with soy bean trypsin inhibitor. Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivity against Trypsin Inhibitor from other sources is unknown.
Purity:	Anti-Trypsin Inhibitor antibody is an IgG fraction 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-Biotin, anti-Rabbit Serum as well as purified and partially purified Trypsin Inhibitor [Soy Bean].
Endotoxin Level:	Low Endotoxin : No

## Target Details

Target:	Trypsin Inhibitor
Abstract:	<a href="#">Trypsin Inhibitor Products</a>
Background:	Anti-Trypsin Inhibitor detects trypsin inhibitor from soy bean. Soybean trypsin inhibitor inhibits trypsin and to a lesser extent chymotrypsin and plasmin. Soybean trypsin inhibitor will also inhibit other proteases by a mechanism similar to trypsin. It has inhibitory effects towards plasma kallikrein and coagulation Factor Xa. However, Soybean trypsin inhibitor will not inhibit metalloproteases, tissue-based kallikrein, acid proteases, or thio proteases. Anti-Trypsin Inhibitor Antibody is ideal for investigators involved in Cell Signaling, Biochemistry and Signal Transduction research. Synonyms: 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
Gene ID:	547831
UniProt:	<a href="#">P01070</a>

## Application Details

Application Notes:	Anti-Trypsin Inhibitor antibody is suitable for western blotting and for capture ELISA. Researchers should determine optimal titers for applications that are not stated below. ELISA Dilution: 1:5.000 - 1:25.000 Western Blot Dilution: 1:500 - 1:3.000
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	10 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Handling Advice:	Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Storage:	-20 °C
Storage Comment:	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

## Handling

the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below.

Expiry Date:

Expiration date is one (1) year from date of opening.

## Images



### Western Blotting

**Image 1.** Western Blot of Rabbit anti-Soybean Trypsin Inhibitor antibody. Lane 1: ~1 ug of purified Soybean Trypsin Inhibitor Reduced. Lane 2: 0.25 ug of purified Soybean Trypsin Inhibitor Reduced. Lane 3: ~1 ug of purified Soybean Trypsin Inhibitor Non-reduced. Lane 4: 0.25 ug of purified Soybean Trypsin Inhibitor Non-reduced. Primary antibody: Soybean Trypsin Inhibitor antibody at 1:5000 for overnight at 4°C. Secondary antibody: Dylight 488 conjugated Streptavidin, 1:5K and Atto 425 conjugated goat anti rabbit, 1:10K at 1.5 hr at RT. Block: ABIN925618 overnight at 4°C. Predicted/Observed size: 24 kDa, 17 kDa for Trypsin. Other band(s): none.