

Datasheet for ABIN1607777

anti-Amylase, alpha antibody (Biotin)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	Amylase, alpha (AMY)
Reactivity:	Bacillus amyloliquefaciens
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Amylase, alpha antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP)

Product Details

Immunogen:	a-Amylase [Bacillus amyloliquefaciens] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivity against a-Amylase from other sources may occur but has not been specifically determined.
Purity:	Anti-Alpha Amylase 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-Biotin, anti-Rabbit Serum as well as purified and partially purified a-Amylase [B.amyloliquefaciens].
Endotoxin Level:	Low Endotoxin : No

Target Details

Target:	Amylase, alpha (AMY)
Alternative Name:	Alpha Amylase (AMY Products)
Background:	<p>Alpha Amylase is a member of the glycosyl hydrolase 13 family, involved primarily in the hydrolysis of biopolymer residues of 1, 4-alpha-D-glucosidic linkages in polysaccharides. It performs its catalytic function in metabolism of carbohydrates. Anti-Alpha Amylase antibody is ideal for investigators involved in Metabolism, Signal Transduction, and Cancer research.</p> <p>Synonyms: Alpha-amylase EC=3.2.1.1 1,4-alpha-D-glucan glucanohydrolase</p>
Gene ID:	7849308
UniProt:	P00692

Application Details

Application Notes:	<p>Anti-Alpha Amylase has been assayed against 1.0 µg of a-Amylase in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 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 1:4.000 to 1:20.000 of the reconstitution concentration is suggested for this product.</p> <p>ELISA Dilution: 1:5.000 - 1:20.000</p> <p>IF Immunoprecipitation Dilution: 1:100</p> <p>Western Blot Dilution: 1:500 - 1:5.000</p>
Restrictions:	For Research Use only

Handling

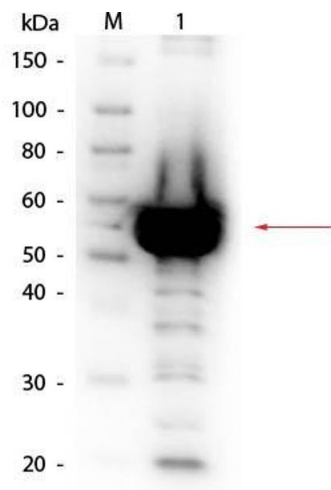
Format:	Liquid
Concentration:	10 mg/mL
Buffer:	<p>0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</p> <p>Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free</p>
Handling Advice:	Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
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-Alpha Amylase Antibody Biotin Conjugated. Lane 1: Alpha Amylase solution. Load: 1/200 dilution of Alpha Amylase solution. Primary antibody: Alpha Amylase antibody at 1:1,000 overnight at 4°C. Secondary antibody: HRP Streptavidin secondary antibody at 1:40,000 for 30 min at RT. Block: ABIN925618 for 30 min at RT. Predicted/Observed size: 55 kDa, 55 kDa for Alpha Amylase. Other band(s): proteins within Alpha Amylase solution.