

Datasheet for ABIN95004  
**anti-Amylase, alpha antibody**



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## Overview

Quantity:	100 µg
Target:	Amylase, alpha (AMY)
Reactivity:	Bacillus amyloliquefaciens
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP)

## Product Details

Purpose:	Alpha Amylase Antibody
Immunogen:	Immunogen: a-Amylase [Bacillus amyloliquefaciens] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum as well as purified and partially purified a-Amylase [Bacillus amyloliquefaciens].
Characteristics:	Synonyms: rabbit anti-Alpha Amylase Antibody, Alpha-amylase, 1,4-alpha-D-glucan glucanohydrolase
Purification:	Alpha Amylase Antibody 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.
Sterility:	Sterile filtered

## Target Details

Target:	Amylase, alpha (AMY)
Alternative Name:	Alpha-amylase ( <a href="#">AMY Products</a> )
Background:	Background: Alpha Amylase is a protein enzyme that preforms endohydrolysis of alpha bonds in large alpha linked polysaccharides, such as starch and glycogen, yielding glucose and maltose. Alpha Amylase applications include ethanol production and reduction of starch or glycogen molecules. Anti-Alpha Amylase Antibody is useful for researchers interested in Metabolism, Cancer, Cell Signaling, and Signal Transduction research.
Gene ID:	7849308
NCBI Accession:	<a href="#">WP_013352208</a>
UniProt:	<a href="#">P00692</a>

## Application Details

Application Notes:	<p>Application Note: Anti-Alpha Amylase has been tested by ELISA and western blot and is assayed against 1.0 µg of a-Amylase [Bacillus amyloliquefaciens] in a standard ELISA using Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&amp;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 1:20,000 to 1:100,000 of the reconstitution concentration is suggested for this product.</p> <p>Western Blot Dilution: 1:500 - 1:5,000</p> <p>Immunoprecipitation Dilution: 1:100</p> <p>ELISA Dilution: 1:5,000 - 1:20,000</p> <p>Other: User Optimized</p>
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1.0 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: None Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide

## Handling

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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store Alpha Amylase Antibody at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. Anti-Alpha Amylase Antibody is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months