Datasheet for ABIN95003

anti-Amylase, alpha antibody

1 Publication

Go to Product page

Overview

Quantity:	2 mL
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
Cross-Reactivity (Details):	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-rabbit serum, purified and partially purified a-Amylase [Bacillus amyloliquefaciens].
Characteristics:	Synonyms: rabbit anti-Alpha Amylase Antibody, Alpha-amylase, 1,4-alpha-D-glucan glucanohydrolase
Purification:	Anti-Alpha Amylase (Bacillus amyloliquefaciens) Antibody was prepared from monospecific antiserum by a delipidation and defibrination.

Target Details

Target:	Amylase, alpha (AMY)
Alternative Name:	Alpha-amylase (AMY Products)

Target Details

Background:	Background: Alpha Amylase is an enzyme that begins the digestion of starches. Specifically, Alpha Amylase cleaves the alpha bonds in large polysaccharides. Alpha Amylase is found in both the pancreas and saliva in humans, with salivary amylase beginning the digestion of starches and pancreatic amylase finishing the digestion. The large amount of conserved amino acid sequences and prevalence of alpha amylase enzymes has allowed this class of enzymes to be beneficial to industrial breakdown of starches into glucose and high-fructose corn syrup. Alpha amylase derived from bacillus amyloliquefaciens is also useful in the production of various detergents relying on the breakdown of starches. Anti-Alpha Amylase (Bacillus amyloliquefaciens) Antibody is ideal for investigators in Enzymology, Molecular Biology, and Microbiology research.
Gene ID:	7849308
NCBI Accession:	WP_013352208
UniProt:	P00692

Application Details

Application Notes:	Application Note: Anti-Alpha Amylase is useful in ELISA, WB, and IP. User Optimization is suggested. Western Blot Dilution: 1:2,000 - 1:10,000 Immunoprecipitation Dilution: 1:100 ELISA Dilution: 1:20,000 - 1:100,000 Other: User Optimized
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitution Volume: 2.0 mL Reconstitution Buffer: Restore with deionized water (or equivalent)
Concentration:	85 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

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 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.
Expiry Date:	12 months

Publications

Product cited in:	van der Maarel, van der Veen, Uitdehaag, Leemhuis, Dijkhuizen: "Properties and applications of starch-converting enzymes of the alpha-amylase family." in: **Journal of biotechnology**, Vol. 94, Issue 2, pp. 137-55, (2002) (PubMed).