



[Go to Product page](#)

Datasheet for ABIN5596757
anti-Ascorbate Oxidase antibody (HRP)

Overview

Quantity:	100 µg
Target:	Ascorbate Oxidase (AO)
Reactivity:	Pumpkin
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Ascorbate Oxidase antibody is conjugated to HRP
Application:	ELISA, Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Immunogen:	Immunogen: Ascorbate Oxidase [cucurbita] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivity against Ascorbate Oxidase from other sources is unknown.
Purification:	Ascorbate Oxidase 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-Peroxidase, anti-Rabbit Serum and purified and partially purified Ascorbate Oxidase [cucurbita].

Target Details

Target:	Ascorbate Oxidase (AO)
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Target Details

Alternative Name: Ascorbate Oxidase ([AO Products](#))

Background: Synonyms: L-ascorbate oxidase Ascorbase ASO EC=1.10.3.3
Background: Ascorbate Oxidase belongs to the family of oxidoreductases, specifically those acting on diphenols and related substances as donor with oxygen as acceptor. The systematic name of this enzyme class is L-ascorbate:oxygen oxidoreductase.
Gene Name: AAO

UniProt: [P24792](#)

Application Details

Application Notes: Application Note: Anti-Ascorbate Oxidase has been assayed against 1.0 µg of Alkaline Phosphatase [Calf Intestine] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenzothiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:2,000 to 1:11,000 of the reconstitution concentration is suggested for this product.
Western Blot Dilution: 1:500 - 1:5,000
Immunoprecipitation Dilution: 1:100
ELISA Dilution: 1:3,000 - 1:10,000

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitution Volume: 100 µL
Reconstitution Buffer: Restore with deionized water (or equivalent)

Concentration: 1.0 mg/mL

Buffer: Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer: None

Preservative: Gentamicin sulfate

Precaution of Use: This product contains Gentamicin sulfate: 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

Handling

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