

Product datasheet for **TA396943S**

AAO Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IP, WB
Recommended Dilution:	WB: 1:2,000 - 1:10,000 ELISA: 1:25,000 - 1:125,000
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Ascorbate Oxidase [cucurbita]
Specificity:	Anti-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-Rabbit Serum as well as purified and partially purified Ascorbate Oxidase [cucurbita]. Cross reactivity against Ascorbate Oxidase from other sources is unknown.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	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 the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Stability:	Expiration date is one (1) year from date of receipt.
Database Link:	P24792
Background:	Ascorbate Oxidase may be involved in a redox system involving ascorbic acid. Ascorbate Oxidase catalytic activity is $4 \text{ L-ascorbate} + \text{O}_2 = 4 \text{ monodehydroascorbate} + 2 \text{ H}_2\text{O}$.
Synonyms:	rabbit anti-Ascorbate Oxidase Antibody, L-ascorbate oxidase, Ascorbase, ASO
Note:	Anti-Ascorbate Oxidase has been tested by ELISA and western blot and is suitable for use in immunoprecipitation. Specific conditions for reactivity should be optimized by the end user.



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