



Anti-Ascorbate Oxidase (native) polyclonal antibody (DPBT-68170RC)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit Anti Cucurbita Ascorbate OxidaseRabbit Anti Cucurbita Ascorbate Oxidase
Immunogen	Native
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Plants
Conjugate	Unconjugated
Applications	ELISA, IP, WB
Format	Purified Ig - liquid
Concentration	IgG concentration 10.0 mg/ml
Size	1 ml
Buffer	Phosphate buffered saline
Preservative	0.01% Sodium Azide
Storage	Store at +4 °C or at -20 °C if preferred.Storage in frost-free freezers is not recommended.This product should be stored undiluted.Avoid repeated freezing and thawing as this may denature the antibody.Should this product contain a precipitate we recommend microcentrifugation before use.

BACKGROUND

Introduction

Ascorbate Oxidase is a copper-containing enzyme. It catalyzes the following reaction: Ascorbic acid + O₂ Dehydroascorbic acid + H₂O. Ascorbate Oxidase is widely distributed and is only present in plants. Its biological role in plants is still not clear. Studies after increasing and reducing the enzyme activity suggest that it has a positive effect on plant growth. In addition, it has been proposed that the enzyme may be involved in plant defense by modifying the ascorbate level and thus redox state in apoplast.

Keywords

Ascorbase; ASO; L ascorbate oxidase precursor; Ascorbate Oxidase
