



Rabbit Anti-Arabidopsis thaliana CAO Polyclonal Antibody (CABT-Z846R)

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

PRODUCT INFORMATION

Immunogen	Recombinant protein of CAO derived from Arabidopsis thaliana AT1G44446.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Arabidopsis thaliana
Purification	Unpurified
Conjugate	Unconjugated
Applications	WB Recommended dilution: WB: 1:1000-1:2000
Molecular Weight	Expected M.W.: 60 kDa; Apparent M.W.: 56 kDa
Reconstitution	Reconstitution with 150 µl of sterile water.
Cellular Localization	Chloroplast
Format	Lyophilized
Size	150 µg
Preservative	None
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 6 months, -20 to -70 °C under sterile conditions after reconstitution. 1 month, 2 to 8 °C under sterile conditions after reconstitution.

BACKGROUND

Introduction

CAO is chlorophyllide a oxygenase which converts chlorophyllide a to chlorophyllide b by catalyzing two successive hydroxylations at the 7-methyl group of chlorophyllide a. CAO is the key enzyme in chlorophyllide b biosynthesis. CAO was shown through cross-linking experiments to interact with Toc75 (At3g46740), Toc34 (AT5G05000), Tic40 (At5g16620), Tic20 (At1g04940) and Tic22 (At4g33350).

Keywords

CAO;ARABIDOPSIS THALIANA CHLOROPHYLL A OXYGENASE;ATCAO;CH1;CHLORINA 1;CHLOROPHYLL A OXYGENASE

GENE INFORMATION

Gene Name

CAO

Entrez Gene ID

[841029](#)

UniProt ID

[Q9MBA1](#)
