



Rabbit Anti-Arabidopsis thaliana CA1 Polyclonal Antibody (CABT-Z836R)

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

PRODUCT INFORMATION

Immunogen	KLH-conjugated synthetic peptide of CA1 derived from Arabidopsis thaliana AT1G19580.
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.: 30 kDa; Apparent M.W.: 28 kDa
Reconstitution	Reconstitution with 150 µl of sterile water.
Cellular Localization	Mitochondria
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

Complex I is the largest protein complex of the oxidative phosphorylation system in mitochondrial and it catalyzes NADH-quinone oxidoreduction. Complex I represents the main entrance site for electrons into the respiratory electron transfer chain. In Arabidopsis, Complex I have at least 49 subunits and CA1 (AT1G19580) is one of the subunit. CA2 (AT1G47260) and CA3 (AT5G66510) are also the subunits of Complex I.

Keywords

CA1;GAMMA CA1;GAMMA CARBONIC ANHYDRASE 1

GENE INFORMATION

Gene Name

GAMMACA1

Entrez Gene ID

[838545](#)

UniProt ID

[Q9FWR5](#)
