



Rabbit Anti-Arabidopsis thaliana CHLG Polyclonal Antibody (CABT-Z785R)

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

PRODUCT INFORMATION

Immunogen	KLH-conjugated synthetic peptide of CHLG derived from Arabidopsis thaliana AT3G51820.
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.: 42 kDa; Apparent M.W.: 35 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

ATG4 is a protein with chlorophyll synthase activity. This enzyme has been shown to perform the esterification of chlorophyllide (a and b), the last step of chlorophyll biosynthesis. Although it can use either geranylgeranyl pyrophosphate (GGPP) or phytyl pyrophosphate (PhyPP) as substrates, the esterification reaction was faster with GGPP than with PhyPP.

Keywords

ATG4;Arabidopsis Chl;CHLG;G4;PDE325;PIGMENT DEFECTIVE 325.

GENE INFORMATION

Gene Name

CHLG

Entrez Gene ID

[824345](#)

UniProt ID

[Q38833](#)
