



Rabbit Anti-Arabidopsis thaliana DGD1 Polyclonal Antibody (CABT-Z992R)

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

PRODUCT INFORMATION

Immunogen	KLH-conjugated synthetic peptide of DGD1 protein derived from Arabidopsis thaliana AT3G11670.
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.: 92 kDa; Apparent M.W.: 86 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.

Ship	Wet ice
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BACKGROUND

Introduction The two galactolipids, monogalactosyldiacylglycerol (MGDG) and digalactosyldiacylglycerol (DGDG), are most abundant in land plants, green algae, and cyanobacteria. MGDG and DGDG are predominant in thylakoid membranes of chloroplasts, where they are integral components of photosystems I and II and of the light-harvesting complex II, and are essential for photosynthesis and growth. The outer chloroplast envelope of Arabidopsis harbors two DGDG synthases, DGD1 (AT3G11670) and DGD2 (AT4G00550).

Keywords	DGD1;DIGALACTOSYL DIACYLGLYCEROL DEFICIENT 1
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GENE INFORMATION

Gene Name	DGD1
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Entrez Gene ID	820339
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UniProt ID	Q9S7D1
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