



Rabbit Anti-Arabidopsis thaliana FSD3 Polyclonal Antibody (CABT-Z1043R)

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

PRODUCT INFORMATION

Immunogen	KLH-conjugated synthetic peptide of FSD3 derived from Arabidopsis thaliana AT5G23310.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Arabidopsis thaliana
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB Recommended dilution: WB: 1:1000-1:2000
Molecular Weight	Expected M.W.: 30 kDa; Apparent M.W.: 24 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

Iron superoxide dismutases (FeSODs; FSDs) are primary antioxidant enzymes in *Arabidopsis thaliana* chloroplasts. The stromal FSD1 conferred the only detectable FeSOD activity, whereas the thylakoid membrane- and nucleoid-co-localized FSD2 and FSD3 double mutant showed arrested chloroplast development.

Keywords

FSD3;FE SUPEROXIDE DISMUTASE 3;SOD3;SUPEROXIDE DISMUTASE 3

GENE INFORMATION

Gene Name

FSD3

Entrez Gene ID

[832395](#)

UniProt ID

[Q9FMX0](#)
