



Rabbit Anti-Arabidopsis thaliana Cat1/2 Polyclonal Antibody (CABT-Z849R)

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

PRODUCT INFORMATION

Immunogen	KLH-conjugated synthetic peptide of catalase derived from Arabidopsis thaliana AT4G35090 and AT1G20630.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Arabidopsis thaliana
Purification	Protein A purified
Conjugate	Unconjugated
Applications	WB Recommended dilution: WB: 1:1000-1:2000
Molecular Weight	Expected M.W.: 57 kDa; Apparent M.W.: 55 kDa
Reconstitution	Reconstitution with 150 µl of sterile water.
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

Catalase is a tetrameric iron porphyrin that catalyses the dismutation of H₂O₂ to water and oxygen. The Arabidopsis genome encodes three catalase subunits, CAT1 (AT1G20630), CAT2 (AT4G35090), and CAT3 (AT1G20620). These three individual subunits associate to form at least six catalase isoforms.

Keywords

Cat 1/2; Catalase 1/2

GENE INFORMATION

Gene Name

CAT1/2

Entrez Gene ID

[838652](#); [829661](#)

UniProt ID

[Q96528](#); [P25819](#)
