



# Rabbit Anti-Arabidopsis thaliana CAT3 Polyclonal Antibody (CABT-Z851R)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	KLH-conjugated synthetic peptide of CAT3 derived from Arabidopsis thaliana AT1G20620.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Arabidopsis thaliana
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB Recommended dilution: WB: 1:1000-1:2000
<b>Molecular Weight</b>	Expected M.W.: 57 kDa; Apparent M.W.: 55 kDa
<b>Reconstitution</b>	Reconstitution with 150 µl of sterile water.
<b>Format</b>	Lyophilized
<b>Size</b>	150 µg
<b>Preservative</b>	None
<b>Storage</b>	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.
<b>Ship</b>	Wet ice

# BACKGROUND

Introduction	Catalase is one of the most important antioxidant enzymes that catalyze the decomposition of H <sub>2</sub> O <sub>2</sub> . CAT3 has been found to interact with several proteins, such as nucleoside diphosphate kinase, NDK1 (AT4G09320), class 3 sucrose-nonfermenting 1-related kinase, SOS2 (AT5G35410), and LESION SIMULATING DISEASE1, LSD1 (AT4G20380).
Keywords	CAT3;ATCAT3;CATALASE 3;REPRESSOR OF GSNOR1;ROG1;SEN2;SENESCENCE 2

# GENE INFORMATION

Gene Name	CAT3
Entrez Gene ID	<a href="#">838651</a>
UniProt ID	<a href="#">Q42547</a>