



## Rabbit Anti-Arabidopsis thaliana CA3 Polyclonal Antibody (CABT-Z838R)

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

### PRODUCT INFORMATION

<b>Immunogen</b>	KLH-conjugated synthetic peptide of CA3 derived from Arabidopsis thaliana AT5G66510.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Arabidopsis thaliana
<b>Purification</b>	Unpurified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB Recommended dilution: WB: 1:1000-1:5000
<b>Molecular Weight</b>	29 kDa
<b>Reconstitution</b>	Reconstitution with 150 µl of sterile water.
<b>Cellular Localization</b>	Mitochondria
<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.

## BACKGROUND

### Introduction

Complex I is the largest protein complex of the oxidative phosphorylation system in mitochondrial and it catalyzes NADH-quinone oxidoreduction. Complex I represents the main entrance site for electrons into the respiratory electron transfer chain. In Arabidopsis, Complex I have at least 49 subunits and CA3 (AT5G66510) is one of the subunit. CA2 (AT1G47260) and CA1 (AT1G19580) are also the subunits of Complex I.

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### Keywords

CA3;GAMMA CA3;GAMMA CARBONIC ANHYDRASE 3

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## GENE INFORMATION

### Gene Name

GAMMACA3

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### Entrez Gene ID

[836783](#)

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### UniProt ID

[Q94AU7](#)

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