



# Rabbit Anti-Arabidopsis thaliana AOX2 Polyclonal Antibody (CABT-Z723R)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	KLH-conjugated synthetic peptide of AOX2 protein derived from Arabidopsis thaliana AT5G64210.
<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: 1:1000-1:2000
<b>Molecular Weight</b>	Expected M.W.: 40 kDa; Apparent M.W.: 32 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.

## BACKGROUND

### Introduction

The cyanide-insensitive alternative oxidase (AOX) is a non-proton-pumping ubiquinol oxidase that catalyzes the reduction of oxygen to water and is posttranslationally regulated by redox mechanisms and 2-oxo acids. Arabidopsis possesses five AOX isoforms, and are AOX1A (AT3G22370), AOX1B (AT3G22360), AOX1C (AT3G27620), AOX1D (AT1G32350) and AOX2 (AT5G64210).

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### Keywords

AOX2;Ubiquinol oxidase 2, mitochondrial;At5g64210

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## GENE INFORMATION

### Gene Name

AOX2

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### Entrez Gene ID

[836542](#)

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### UniProt ID

[O22049](#)

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