



# Rabbit Anti-Arabidopsis thaliana DAO2 Polyclonal Antibody (CABT-Z989R)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	KLH-conjugated synthetic peptide of ATDAO2 derived from Arabidopsis thaliana AT1G14120.
<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>	35 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	ATDAO2 is an IAA oxidase expressed in root caps. It is a member of a family of dioxygenase and 2OG Fe(II) oxygenase domain and DAO domain containing proteins. ATDAO1 is the primary constitutive mechanism of auxin catabolism in Arabidopsis and that the temporal- and tissue-specific oxidative inactivation of auxin by DAO adjusts indole-3-acetic acid levels throughout the life of the plant to optimize growth and development.
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Keywords	DAO2;ATDAO2;AUXIN OXIDASE
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# GENE INFORMATION

Gene Name	At1g14120
Entrez Gene ID	<a href="#">837971</a>
UniProt ID	<a href="#">Q9XI76</a>