



# Rabbit Anti-Arabidopsis thaliana ANTR2 Polyclonal Antibody (CABT-Z720R)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	KLH-conjugated synthetic peptide derived from N-terminal section of ANTR2 protein in Arabidopsis thaliana AT4G00370.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Arabidopsis thaliana
<b>Purification</b>	Antigen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB Recommended dilution: WB: 1:1000-1:2000
<b>Molecular Weight</b>	Expected M.W.: 60 kDa; Apparent M.W.: 54 kDa
<b>Reconstitution</b>	Reconstitution with 150 µl of sterile water.
<b>Cellular Localization</b>	Chloroplast
<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.

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Ship	Wet ice
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## BACKGROUND

Introduction	ANTR2 is an inorganic phosphate transporter (PHT4;4) that can transport ascorbate and is located in the chloroplast envelope membrane. It has been shown to play a role in the xanthophyll cycle during photosynthesis and may be required for tolerance to strong light stress.
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Keywords	ANTR2;ANION TRANSPORTER 2;ATPHT4;4;PHT4;4
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## GENE INFORMATION

Gene Name	PHT4;4
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Entrez Gene ID	<a href="#">827908</a>
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UniProt ID	<a href="#">Q8GX78</a>
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