



# Rabbit Anti-Arabidopsis thaliana DXS Polyclonal Antibody (CABT-Z1000R)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	KLH-conjugated synthetic peptide of antibody AtDXS derived from Arabidopsis thaliana AT4G15560.
<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.: 77 kDa; Apparent M.W.: 71 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	AtDXS is a protein with 1-deoxyxylulose 5-phosphate synthase activity involved in the MEP pathway. It is essential for chloroplast development in Arabidopsis. It is a limiting enzyme for plastidic isoprenoid biosynthesis and essential for chloroplast development.
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Keywords	DXS;AtDXS;DEF;1-DEOXY-D-XYLULOSE 5-PHOSPHATE (DXP) SYNTHASE 1;1-DEOXY-D-XYLULOSE 5-PHOSPHATE SYNTHASE;1-DEOXY-D-XYLULOSE 5-PHOSPHATE SYNTHASE 2;ATCLA1;CLA;CLA1;CLOROPLASTOS ALTERADOS 1;DXPS2;DXS1.
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## GENE INFORMATION

Gene Name	DXS
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Entrez Gene ID	<a href="#">827230</a>
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UniProt ID	<a href="#">Q38854</a>
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