



# Rabbit Anti-Arabidopsis thaliana ClpS1 Polyclonal Antibody (CABT-Z933R)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	KLH-conjugated synthetic peptide of ClpS1 derived from Arabidopsis thaliana AT4G25370.
<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.: 26 kDa; Apparent M.W.: 19 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.

## BACKGROUND

### Introduction

Most Clp proteins in Arabidopsis are located in the chloroplast stroma (ClpB3 (AT5G15450), ClpC1-2, ClpD (AT5G51070), ClpP1 (ATCG00670), ClpP3-6, ClpR1-4, ClpS1-2, and ClpT) and all are nucleus-encoded, except for the plastomic ClpP1. CLPT1 first binds to the heptameric P-ring containing the CLP3-6 subunits followed by CLPT2 (AT4G12060), and only then does the P-ring combine with the R-ring composed of the clpP1 and CLPR1-4 subunits

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### Keywords

ClpS1;CLPT1.

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## GENE INFORMATION

### Gene Name

CLPT1

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### Entrez Gene ID

[828640](#)

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### UniProt ID

[Q93WL3](#)

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