



# Rabbit Anti-Arabidopsis thaliana CSP41b Polyclonal Antibody (CABT-Z974R)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	KLH-conjugated synthetic peptide of CSP41b derived from Arabidopsis thaliana AT1G09340.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Arabidopsis thaliana
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB Recommended dilution: WB: 1:1000-1:5000
<b>Molecular Weight</b>	43 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	CSP41 protein has been shown to bind and cleave chloroplast RNA in vitro. Arabidopsis thaliana genome encodes two copies of this protein CSP41a (At3g63140) and CSP41b (At1g09340), and they interact each other physically. It has been suggested that CSP41a and CSP41b have a role in chloroplast ribosomal RNA metabolism, most likely acting in the final steps of 23S rRNA maturation.
Keywords	CSP41b;CHLOROPLAST RNA BINDING;CHLOROPLAST STEM-LOOP BINDING PROTEIN OF 41 KDA;CRB;HETEROGLYCAN-INTERACTING PROTEIN 1.3;HIP1.3

# GENE INFORMATION

Gene Name	CSP41B
Entrez Gene ID	<a href="#">837455</a>
UniProt ID	<a href="#">Q9SA52</a>