



# Rabbit anti-Arabidopsis thaliana rbcL (C-term) Polyclonal Antibody (CABT-Z127R)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	Antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of arabidopsis thaliana rbcL.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Arabidopsis thaliana
<b>Purification</b>	Antigen affinity purification
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB Recommended dilution: WB: 1:1,000-1:10,000 (detect endogenous protein*)
<b>Molecular Weight</b>	53 kDa
<b>Preparation</b>	Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of arabidopsis thaliana rbcL (AtCg00490).
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	100 µl
<b>Buffer</b>	Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN <sub>3</sub> .
<b>Preservative</b>	0.01% NaN <sub>3</sub>

<b>Storage</b>	Store at -20°C. Stable for 6 months from date of receipt.
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<b>Ship</b>	Wet ice
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## BACKGROUND

<b>Introduction</b>	Ribulose biphosphate carboxylase large chain (RBCL) is the large subunit of Ribulose biphosphate carboxylase (RUBISCO). RuBisCO catalyzes two reactions: the carboxylation of D-ribulose 1,5-biphosphate, the primary event in carbon dioxide fixation, as well as the oxidative fragmentation of the pentose substrate in the photorespiration process. Both reactions occur simultaneously and in competition at the same active site. RBCL is tyrosine-phosphorylated and its phosphorylation state is modulated in response to ABA in Arabidopsis thaliana seeds. RBCL is one of the most abundant proteins in arabidopsis thaliana.
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<b>Keywords</b>	Ribulose biphosphate carboxylase large chain;RuBisCO large subunit;rbcl
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## GENE INFORMATION

<b>Gene Name</b>	rbcl
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<b>Entrez Gene ID</b>	<a href="#">844754</a>
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<b>UniProt ID</b>	<a href="#">O03042</a>
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