



# Rabbit Anti-Arabidopsis thaliana CTPA2 Polyclonal Antibody (CABT-Z976R)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	Recombinant protein of CTPA2 derived from Arabidopsis thaliana AT4G17740.
<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.: 56 kDa; Apparent M.W.: 43 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	CTPA2 is involved in the C-terminal processing of the chloroplastic D1 protein of photosystem II. This proteolytic processing is necessary to allow the light-driven assembly of the tetranuclear manganese cluster, which is responsible for photosynthetic water oxidation.
Keywords	CTPA2;Carboxyl-terminal-processing peptidase 2, chloroplastic;D1 C-terminal processing protease 2;Photosystem II D1 protein processing peptidase 2

# GENE INFORMATION

Gene Name	CTPA2
Entrez Gene ID	<a href="#">827495</a>
UniProt ID	<a href="#">O23614</a>