



# Rabbit Anti-Arabidopsis thaliana CPK11 Polyclonal Antibody (CABT-Z949R)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	KLH-conjugated synthetic peptide of CPK11 derived from Arabidopsis thaliana AT1G35670.
<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.: 55 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** CPK11 is one of calcium-dependent protein kinases, which are the best-characterized calcium sensors in plants. CDPKs regulate many aspects of plant growth and development as well as plant adaptation to biotic and abiotic stresses. CPK11 may play a role in signal transduction pathways that involve calcium as a second messenger. And it is the regulator of the calcium-mediated abscisic acid (ABA) signaling pathway.

**Keywords** CPK11;ATCDPK2;ATCPK11;CALCIUM-DEPENDENT PROTEIN KINASE 2;CDPK2

# GENE INFORMATION

**Gene Name** CPK11

**Entrez Gene ID** [840471](#)

**UniProt ID** [Q39016](#)