



# Rabbit Anti-Arabidopsis thaliana EPFL9 Polyclonal Antibody (CABT-Z1014R)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	KLH-conjugated synthetic peptide of ATEPFL9 derived from Arabidopsis thaliana AT4G12970.
<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>	5 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	ATEPFL9 is a cysteine-rich peptide, a secretory factor that is produced in the mesophyll cells and acts on the epidermis to increase stomatal formation. Its mature form is a 45-aa peptide with three intramolecular disulfide bonds. It is proposed that ATEPFL9 increases stomatal number by competing with two negative regulators of stomatal density, EPF1 and EPF2.
Keywords	EPFL9;ATEPFL9;EPIDERMAL PATTERNING FACTOR LIKE-9;STOMAGEN.

# GENE INFORMATION

Gene Name	EPFL9
Entrez Gene ID	<a href="#">826909</a>
UniProt ID	<a href="#">Q9SV72</a>