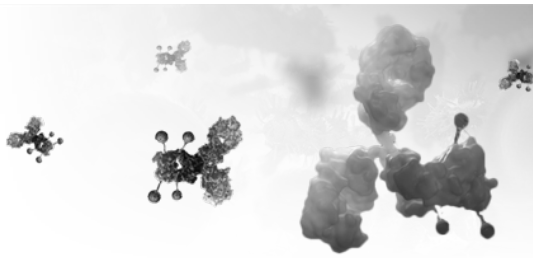

Rabbit anti-Arabidopsis thaliana AMP1 (C-term) Polyclonal Antibody (CABT-Z020R)

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

PRODUCT INFORMATION

Immunogen	Antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of arabidopsis thaliana AMP1.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Arabidopsis thaliana
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	WB Recommended dilution: WB: 1:1,000-1:3,000 (detect endogenous protein*)
Molecular Weight	Predicted M.W.: 77 kDa; Observed M.W.: 120 kDa
Preparation	Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of arabidopsis thaliana AMP1 (At3g54720).
Format	Liquid
Concentration	Lot specific
Size	100 µl
Buffer	Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN3.
Preservative	0.01% NaN3

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Storage	Store at -20°C. Stable for 6 months from date of receipt.
Ship	Wet ice

BACKGROUND

Introduction	ALTERED MERISTEM PROGRAM 1 (AMP1) is a glutamate carboxypeptidase, which is a single-pass type II membrane protein. AMP1 may modulate the level of one or more small signaling molecules that have a role in regulating meristem function. AMP1 may also play a role in balancing and restricting the meristem-promoting activity of auxin signaling. Various alleles of AMP1 show-increased cotyledon number and rate of leaf initiation, show transformation of leaves to cotyledons, altered flowering time and photomorphogenesis and an increased level of cytokinin biosynthesis. AMP1 is involved in ethylene enhanced hypocotyl elongation in the light. The translation inhibition, but not the mRNA cleavage activity, of Arabidopsis miRNAs requires AMP1.
Keywords	ALTERED MERISTEM PROGRAM 1;AMP1;ATAMP1;CONSTITUTIVE MORPHOGENESIS 2;COP2;HAUPTLING;HPT;MFO1;MULTIFOLIA;PRIMORDIA TIMING;PT;Probable glutamate carboxypeptidase 2

GENE INFORMATION

Gene Name	AMP1
Entrez Gene ID	824637
UniProt ID	Q9M1S8

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