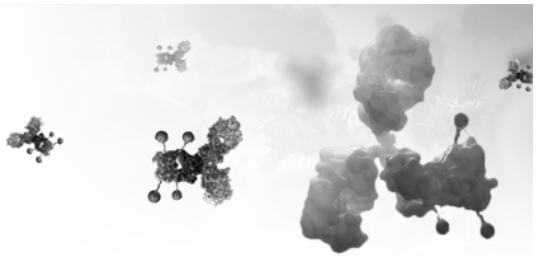

Rabbit anti-Arabidopsis thaliana APETALA1 (C-term) Polyclonal Antibody (CABT-Z021R)

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 APETALA1.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Arabidopsis thaliana
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	WB Recommended dilution: 1:500-1:2,000 (detect endogenous protein*)
Molecular Weight	30 kDa
Preparation	Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of arabidopsis thaliana APETALA1 (AT1G69120).
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

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

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

BACKGROUND

Introduction	APETALA1 is a transcription factor that promotes early floral meristem identity in synergy with LEAFY. APETALA1 is required subsequently for the transition of an inflorescence meristem into a floral meristem. APETALA1 is indispensable for normal development of sepals and petals in flowers. APETALA1 regulates positively the B class homeotic proteins APETALA3 and PISTILLATA with the cooperation of LEAFY and UFO. APETALA1 interacts with SEPALLATA3 or AP3/PI heterodimer to form complexes that could be involved in genes regulation during floral meristem development. APETALA1 regulates positively AGAMOUS in cooperation with LEAFY. APETALA1 displays a redundant function with CAULIFLOWER in the up-regulation of LEAFY. Together with AGL24 and SVP, APETALA1 controls the identity of the floral meristem and regulates expression of class B, C and E genes. APETALA1 represses flowering time genes AGL24, SVP and SOC1 in emerging floral meristems.
Keywords	Floral homeotic protein APETALA 1;Agamous-like MADS-box protein AGL7;AGL7;At1g69120;F4N2.9;AGAMOUS-LIKE 7;ATAP1;AP1

GENE INFORMATION

Gene Name	AP1
Entrez Gene ID	843244
UniProt ID	P35631

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