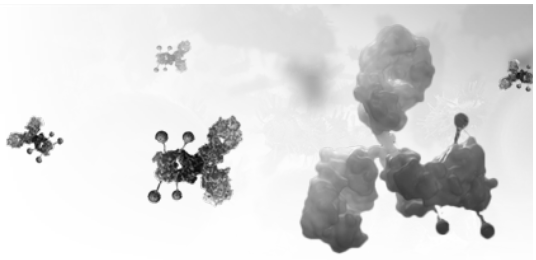

Rabbit anti-Arabidopsis thaliana FKF1 (C-term) Polyclonal Antibody (CABT-Z072R)

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 FKF1.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Arabidopsis thaliana
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	WB Recommended dilution: WB: 1:500-1:2,000 (detect endogenous protein*)
Molecular Weight	69 kDa
Preparation	Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of arabidopsis thaliana FKF1 (At1g68050).
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	Flavin-binding kelch repeat F-box protein 1 (FKF1) is also known as Adagio protein 3 (ADO3), which is a component of an E3 ubiquitin ligase complex that plays a central role in blue light-dependent circadian cycles. FKF1 acts as a blue light photoreceptor, due to the presence of FMN, that mediates light-regulated protein degradation of critical clock components by targeting them to the proteasome complex. The SCF(ADO3) E3 ubiquitin ligase complex is involved in the regulation of circadian clock-dependent processes including transition to flowering time, hypocotyl elongation, cotyledons and leaf movement rhythms. FKF1 forms a complex with 'GIGANTEA' (GI) to regulates 'CONSTANS' (CO) expression. FKF1 promotes CO expression during the light period of long days by decreasing the stability of CDF1 and CDF2 and by interacting directly with the CO protein and stabilizing it.
Keywords	Adagio protein 3;ADO3;F-box only protein 2a;FBX2a;Flavin-binding kelch repeat F-box protein 1

GENE INFORMATION

Gene Name	ADO3
Entrez Gene ID	843133
UniProt ID	Q9C9W9

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