

ARG67159 anti-APRR1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes APRR1
Tested Reactivity	Arabi
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	APRR1
Species	Plant
Immunogen	Synthetic peptide corresponding to N-terminus of arabidopsis thaliana APRR1 protein.
Conjugation	Un-conjugated
Alternate Names	AIP1; TOC1; Two-component response regulator-like APRR1; ABI3-interacting protein 1; Pseudo-response regulator 1; Timing of CAB expression 1

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	69 kDa	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.42% Potassium phosphate (pH 7.3), 0.87% NaCl, 0.01% Sodium azide and 30% Glycerol.
Preservative	0.01% Sodium azide
Stabilizer	30% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	APRR1
Gene Full Name	Two-component response regulator-like APRR
Background	Pseudo response regulator involved in the generation of circadian rhythms. TOC1 appears to shorten the period of circumnutation speed. TOC1 contributes to the plant fitness (carbon fixation, biomass) by influencing the circadian clock period. PRR3 may increase the stability of TOC1 by preventing interactions between TOC1 and the F-box protein ZTL. Expression of TOC1 is correlated with rhythmic changes in chromatin organization.
Function	Controls photoperiodic flowering response. [UniProt] Component of the circadian clock. [UniProt] Expression of several members of the ARR-like family is controlled by circadian rhythm. [UniProt] The particular coordinated sequential expression of APRR9, APRR7, APRR5, APRR3 and APRR1 result to circadian waves that may be at the basis of the endogenous circadian clock. [UniProt] Positive regulator of CCA1 and LHY expression. [UniProt]
Calculated Mw	69 kDa
Cellular Localization	Nucleus. [UniProt]

Images



ARG67159 anti-APRR1 antibody WB image

Western blot: *Arabidopsis thaliana* stained with ARG67159 anti-APRR1 antibody.