

# Product datasheet

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# 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]

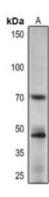
Expression of several members of the ARR-like family is controlled by circadian rhythm. [UniProt] The particular coordinated sequential expression of APRR9, APRR7, APRR5, APRR3 and APPR1 result to circadian waves that may be at the basis of the endogenous circadian clock. [UniProt] Positive regulator

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.