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TOC1 (N) Antibody, Rabbit Polyclonal

Cat#: R3139-1

Quantity: 100 ul

Predicted | Observed M.W.: 69 | 75 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: Q9LKL2

Background:

TOC1 is a 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 [provided by TAIR].

Other Names:

Two-component response regulator-like APRR1, ABI3-interacting protein 1, Pseudo-response regulator 1, Timing of CAB expression 1, APRR1, ATTOC1, PRR1, PSEUDO-RESPONSE REGULATOR 1, TIMING OF CAB EXPRESSION 1, AIP1

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of *arabidopsis thaliana* TOC1 (At5g61380). Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Arabidopsis thaliana

Tested Applications:

WB: 1:500-1:2,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

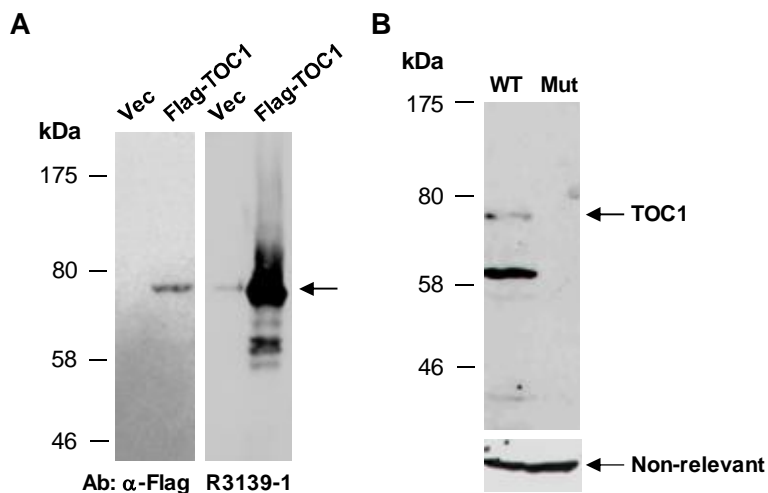


Fig 1. A) Western blot of protein extract from human 293T cells transfected with the vector control (Vec) or Flag-tagged TOC1 (At5g61380), using indicated Abs at RT for 2 h. **B)** Western blot of equal amounts of protein extracts from WT or TOC1 deficient mutant (Mut) Arabidopsis; using anti-TOC1 (N) (R3139-1) at RT for 2 h. The same filter was re-probed with a non-relevant Ab for loading control.