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AGO1 (C) Antibody, Rabbit Polyclonal

Cat#: R2457-3

Quantity: 100 ul

Predicted | Observed M.W.: 116 | 130 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: O04379

Background:

Protein argonaute 1 (AGO1) is an RNA Slicer that selectively recruits microRNAs and siRNAs. There is currently no evidence that AGO1 Slicer is in a high molecular weight RNA-induced silencing complex (RISC). Mutants are defective in post-transcriptional gene silencing and have pleiotropic developmental and morphological defects. Through its action on the regulation of ARF17 expression, AGO1 regulates genes involved at the cross talk between auxin and light signaling during adventitious root development. AGO1 seems to be targeted for degradation by silencing suppressor F-box-containing proteins from Turnip yellow virus and Cucurbit aphid-borne yellow virus.

Other Names:

Protein argonaute 1, ATAGO1, ICU9, ARGONAUTE 1

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of *arabidopsis thaliana* AGO1 (At1g48410). 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: 1:1,000-1:3,000 (detect endogenous protein*)

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

Product Data:

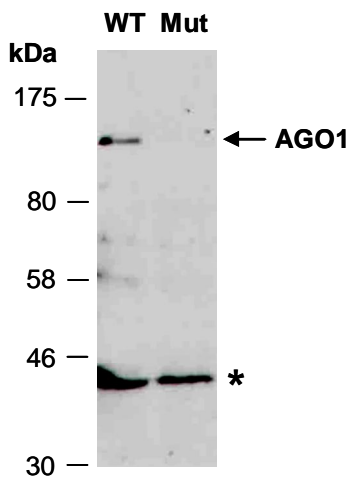


Fig 1. Western blot of equal amounts of protein extracts from WT or AGO1 deficient mutant (Mut) arabidopsis; using anti-AGO1 (C) (R2457-3) at RT for 2 h. * indicates a non-specific protein serving as a loading control.