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AGO3 (N) Antibody, Rabbit Polyclonal

Cat#: R3353-1

Quantity: 100 ul

Predicted | Observed M.W.: 129 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: Q9SHF2

Background:

Protein Argonaute 3 (AGO3) is involved in RNA-mediated post-transcriptional gene silencing (PTGS). AGO3 is the main component of the RNA-induced silencing complex (RISC) that binds to a short guide RNA such as a microRNA (miRNA) or small interfering RNA (siRNA). RISC uses the mature miRNA or siRNA as a guide for slicer-directed cleavage of homologous mRNAs to repress gene expression.

Other Names:

Protein Argonaute 3

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of *arabidopsis thaliana* AGO3 (At1g31290). 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:

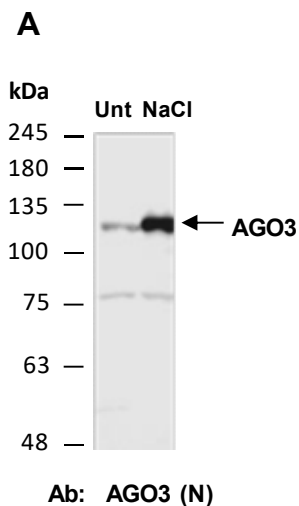


Fig 1. Western blot analysis of equal amounts of protein extracts from wild type whole plant of arabidopsis untreated (Unt) or treated with 250mM salt (NaCl) for 20h as indicated, using anti-AGO3 (N) (R3353-1) at RT for 2 h. AGO3 is known to be induced under salinity stress (Zhang et al., Nat. Plants., 2016, 2:16049)