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AG (N) Antibody, Rabbit Polyclonal

Cat#: R3377-1b

Quantity: 100 ul

Predicted | Observed M.W.: 29 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: P17839

Background:

AG (AGAMOUS) is a probable transcription factor involved in the control of organ identity during the early development of flowers. AG is required for normal development of stamens and carpels in the wild-type flower. AG plays a role in maintaining the determinacy of the floral meristem. AG acts as C class cadastral protein by repressing the A class floral homeotic genes like APETALA1. AG forms a heterodimer via the K-box domain with either SEPALATTA1/AGL2, SEPALATTA2/AGL4, SEPALLATA3/AGL9 or AGL6 that could be involved in gene regulation during floral meristem development.

Other Names:

Floral homeotic protein AGAMOUS, At4g18960, AG, F13C5.130

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of *arabidopsis thaliana* AG (At4g18960). 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:

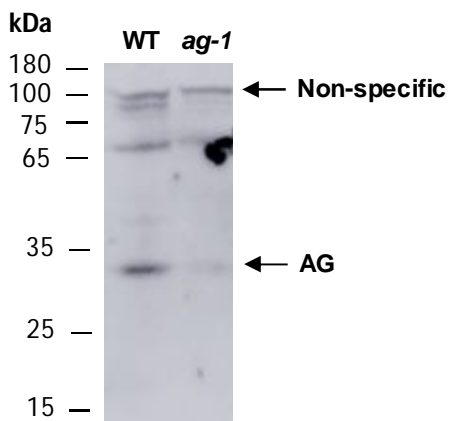


Fig 1. Western blot of 100 ug of total protein extracts from WT or AG-deficient mutant (*ag-1*) arabidopsis leaves, using anti-AG (N) (R3377-1b) at 1:5,000 dilution at 4°C overnight (data provided by L.Zhao, FAFU , China).