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TPK3 (N) Antibody, Rabbit Polyclonal

Cat#: R3376-1

Quantity: 100 ul

Predicted | Observed M.W.: 49 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: Q9SVV6

Background:

TPK3 is a two-pore potassium channel modulating the proton motive force (pmf) necessary to convert photochemical energy into physiological functions. TPK3 mediates the potassium efflux from the thylakoid lumen required for the regulation of the transmembrane electrical potential, the enhancement of the pH gradient for ATP synthesis, the regulation of electron flow, and pH-mediated photoprotective responses. TPK3 requires calcium for channel activity.

Other Names:

Two-pore potassium channel 3, AtTPK3, Calcium-activated outward-rectifying potassium channel 6, AtKCO6, KCO6, At4g18160, F15J5.130

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of *arabidopsis thaliana* TPK3 (At4g18160). 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:

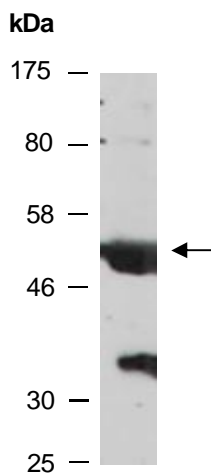


Fig 1. Western blot analysis of total protein extracts from wild type arabidopsis leaves, using anti-TPK3 (N) (R3376-1) at RT for 2 h.