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TMK4 (vPair™) Antibodies

Cat#: R2115-vp

Lot#: Refer to vial

Predicted | Observed M.W.: 100 kDa

Uniprot ID: C0LGN6

Application: WB

Quantity: 50 ul TMK4 (M1) (R2115-2) Rabbit Polyclonal Antibody &
50 ul TMK4 (M2) (R2115-3) Rabbit Polyclonal Antibody

Product Introduction:

vPair™ antibodies represent a pair of fully characterized antibodies that recognize two different regions of a target protein. The product is developed by Abiocode to address whether the signal observed truly represents the protein of interest, an often encountered issue in antibody-based assays. The use of a pair of fully characterized vPair™ antibodies in the same assay can validate signal specificity since vPair™ antibodies recognize two independent epitopes of the same protein. Different sets of vPair™ antibodies are developed at Abiocode to work with specific applications, including antibody arrays, Western blot, IP-Western, CHIP, IHC, and FACS.

Background:

TRANSMEMBRANE KINASE 4 (TMK4) is a receptor-like transmembrane protein kinase. TMK4 is involved in protein phosphorylation and signal transduction. TMK4 has ATP binding and protein serine/threonine kinase activity.

Other Names:

Probable receptor protein kinase TMK4, BAK1-ASSOCIATING RECEPTOR-LIKE KINASE 1, BARK1

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with GST-fusion proteins containing 2 distinct middle regions of *arabidopsis thaliana* TMK4 (At3g23750). 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:

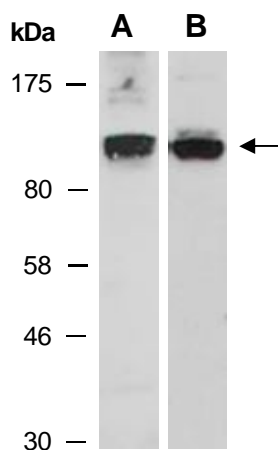


Fig 1. Western blot of total cell extracts from wild type arabidopsis leaves, using 2 independent Abs against 2 distinct regions of arabidopsis TMK4 [A: anti-TMK4 (M1) (R2115-2); B: anti-TMK4 (M2) (R2115-3)] at RT for 2 h.