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(818)-707-0392 (Fax)
order@abiocode.com
Web: www.Abiocode.com

TMK1 (vPair™) Antibodies

Cat#: R2094-vp

Lot#: Refer to vial

Predicted | Observed M.W.: 102 kDa

Uniprot ID: P43298

Application: WB

Quantity: 50 ul TMK1 (M) (R2094-2) Rabbit Polyclonal Antibody &
50 ul TMK1 (C) (R2094-3) 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 1 (TMK1) is a receptor-like transmembrane protein serine/threonine kinase. TMK1 is involved in protein phosphorylation and signal transduction. TMK1 has ATP binding and protein serine/threonine kinase activity.

Other Names:

Probable receptor protein kinase TMK1, TRANSMEMBRANE KINASE 1

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with GST-fusion proteins containing either the middle [TMK1 (M) (R2094-2)] or the C-terminal [TMK1 (C) (R2094-3)] region of *arabidopsis thaliana* TMK1 (At1g66150). 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:

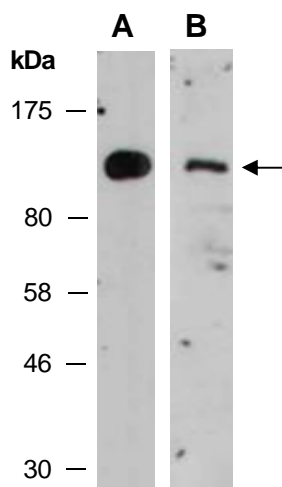


Fig 1. Western blot of total cell extracts from wild type arabidopsis leaves, using 2 independent Abs against 2 distinct regions of arabidopsis TMK1 [A: anti-TMK1 (M) (R2094-2); B: anti-TMK1 (C) (R2094-3)] at RT for 2 h.