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CO (vPair™) Antibodies

Cat#: R1217-vp

Lot#: Refer to vial

Predicted | Observed M.W.: 42 kDa

Uniprot ID: Q39057

Application: WB

Quantity: 50 ul CO (M) (R1217-2) Rabbit Polyclonal Antibody
50 ul CO (C) (R1217-3) 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:

Zinc finger protein CONSTANS (CO) is a putative transcription factor that acts in the long day flowering pathway and may mediate between the circadian clock and the control of flowering. CO plays a role in the regulation of flowering time by acting on 'SUPPRESSOR OF OVEREXPRESSION OF CO1', 'TERMINAL FLOWER 1' and 'FLOWERING LOCUS T'. CO also regulates P5CS2 and ACS10, which is involved in proline and ethylene biosynthesis, respectively.

Other Names:

Zinc finger protein CONSTANS

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with GST-fusion proteins containing either the middle [CO (M) (R1217-2)] or the C-terminal [CO (C) (R1217-3)] region of *arabidopsis thaliana* CO (At5g15840). 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.

For research use only. Not for therapeutic or diagnostic purposes.
Abiocode, Inc., 29397 Agoura Rd., Ste 106, Agoura Hills, CA 91301

Species Specificity:

Arabidopsis thaliana

Tested Applications:

WB: 1:1,000-1:3,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

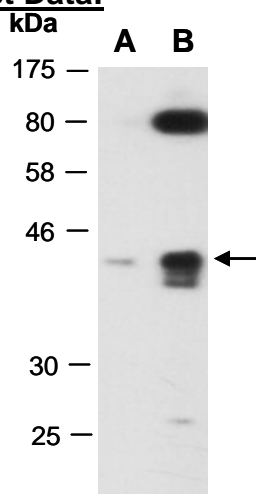


Fig 1. Western blot of total cell extracts from *arabidopsis thaliana*; using (A) anti-CO (M) (R1217-2), (B) anti-CO (C) (R1217-3) at RT for 2 h.