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(818)-707-0392 (Fax)
order@abiocode.com
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XCT (vPair™) Antibodies

Cat#: R1252-vp

Lot#: Refer to vial

Predicted I Observed M.W.: 39 kDa

Uniprot ID: Q8H110

Application: WB

Quantity: 50 ul XCT (M) (R1252-2) Rabbit Polyclonal Antibody
50 ul XCT (C) (R1252-3) 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:

Protein XAP5 CIRCADIAN TIMEKEEPER (XCT) is involved in light regulation of the circadian clock and photomorphogenesis. XCT may play a global role in coordinating growth in response to the light environment and acts as a light quality sensor directing both negative and positive transcriptional regulation. XCT inhibits growth in red light but promote growth in blue light. XCT inhibits clock gene expression in diurnal cycles, while it plays no role in the control of flowering time.

Other Names:

Protein XAP5 CIRCADIAN TIMEKEEPER

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with GST-fusion proteins containing either the middle [XCT (M) (R1252-2)] or the C-terminal [XCT (C) (R1252-3)] region of *arabidopsis thaliana* XCT (At2g21150). 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:

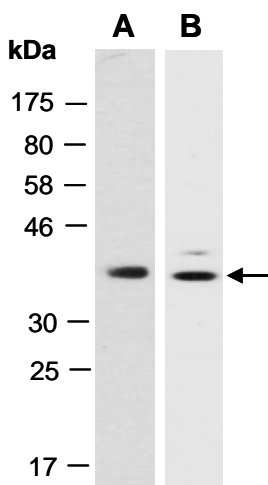


Fig 1. Western blot of total cell extracts from *arabidopsis thaliana*; using (A) anti-XCT (M) (R1252-2), (B) anti-XCT (C) (R1252-3) at RT for 2 h.