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PCNA (vPair™) Antibodies

Cat#: R0711-vp

Lot#: Refer to vial

Predicted | Observed MW: 29 kDa

Uniprot ID: P12004

Application: WB

Quantity: 50 ul PCNA (M) (R0711-2) Rabbit Polyclonal Antibody &

50 ul PCNA (C) (R0711-3) 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:

Proliferating cell nuclear antigen (PCNA) belongs to the PCNA family. PCNA is an auxiliary protein of DNA polymerase delta and is involved in the control of eukaryotic DNA replication by increasing the polymerase's processibility during elongation of the leading strand. PCNA induces a robust stimulatory effect on the 3'-5' exonuclease and 3'-phosphodiesterase, but not apurinic-aprimidinic (AP) endonuclease, APEX2 activities. PCNA has to be loaded onto DNA in order to be able to stimulate APEX2.

Other Names:

Proliferating cell nuclear antigen, PCNA, Cyclin

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with GST-fusion proteins containing either the middle [PCNA (M) (R0711-2)] or the C-terminal [PCNA (C) (R0711-3)] region of human PPP2CA. 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:

Human, Mouse

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:

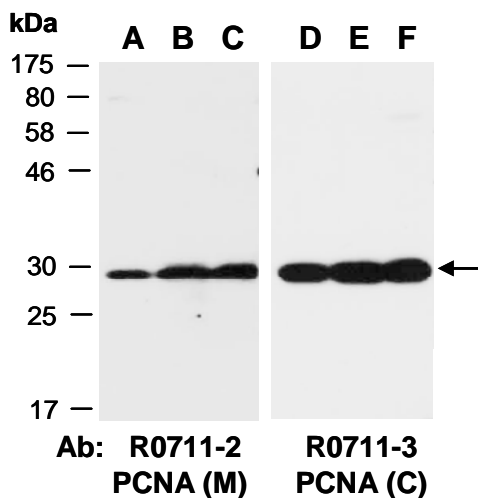


Fig 1. Western blot of total cell extracts from (A, D) mouse thymus, (B, E) human HeLa, (C, F) human Jurkat; using 2 independent Abs against 2 distinct regions of human PCNA at RT for 2 h.