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FANCI (vPair™) Antibodies

Cat#: R0147-vp1

Lot#: Refer to vial

Predicted M.W.: 149 kDa

Uniprot ID: Q9NVI1

Application: WB

Quantity: 50 ul FANCI (C1) (R0147-1) Rabbit Polyclonal Antibody &
50 ul FANCI (C2) (R0147-2) 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:

Fanconi anemia, complementation group I (FANCI) is required for maintenance of chromosomal stability. It plays a role in the repair of DNA double-strand breaks by homologous recombination and in the repair of DNA cross-links. In response to DNA damage it is involved in the S phase and G2 phase checkpoints of the cell cycle. FANCI also promotes FANCD2 ubiquitination and recruitment to DNA repair sites. Fanconi anemia is a genetically heterogeneous recessive disorder characterized by cytogenetic instability, hypersensitivity to DNA crosslinking agents, increased chromosomal breakage and defective DNA repair.

Other Names:

FLJ10719, KIAA1794, Protein FANCI

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with GST-fusion proteins containing two distinct C-terminal regions [FANCI (C1) (R0147-1) and FANCI (C2) (R0147-2)] of human FANCI. 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:

Human

Tested Applications:

WB: 1:1,000-1:5,000 (detect endogenous protein*)

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

Product Data:

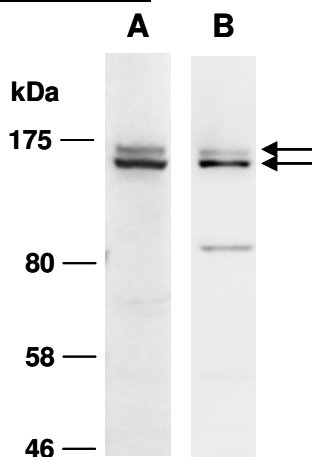


Fig 1. Western blot of total cell extracts from human HeLa, using Ab (A) R0147-1 or (B) R0147-2 at RT for 2 h.