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## FANCI (vPair™) Antibodies

**Cat#: R0147-vp2**

**Lot#: Refer to vial**

**Predicted M.W.: 149 kDa**

**Uniprot ID: Q9NVI1**

**Application: WB**

**Quantity:** 50 ul FANCI (C2) (R0147-2) Rabbit Polyclonal Antibody &  
50 ul FANCI (N) (R0147-3) 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:**

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 FACI

### **Source and Purity:**

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing either the C-terminal [FANCI (C2) (R0147-2)] or the N-terminal [FANCI (N) (R0147-3)] region 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% NaN<sub>3</sub>. Store at -20 °C. Stable for 6 months from date of receipt.

**Species Specificity:**

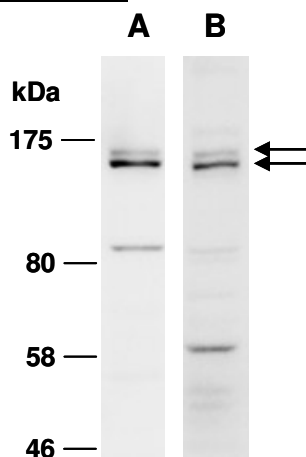
Human

**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) R0147-2 or (B) R0147-3 at RT for 2 h.