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## IFT74 (vPair™) Antibodies

**Cat#: R3219-vp**

**Lot#: Refer to vial**

**Predicted | Observed M.W.: 70 kDa**

**Uniprot ID: Q96LB3**

**Application: WB**

**Quantity:** 50 ul IFT74 (N) (R3219-1) Rabbit Polyclonal Antibody &  
50 ul IFT74 (C) (R3219-2) 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:**

Intraflagellar transport protein 74 homolog (IFT74) is a component of the intraflagellar transport (IFT) complex B: together with IFT81, IFT74 forms a tubulin-binding module that specifically mediates transport of tubulin within the cilium. IFT74 binds to beta-tubulin via its basic region, and is required for ciliogenesis.

### **Other Names:**

Intraflagellar transport protein 74 homolog, Capillary morphogenesis gene 1 protein, CMG-1, Coiled-coil domain-containing protein 2, CCDC2, CMG1

### **Source and Purity:**

Rabbit polyclonal antibodies were produced by immunizing animals with GST-fusion proteins containing either the N-terminal [IFT74 (N) (R3219-1)] or the C-terminal [IFT74 (C) (R3219-2)] region of human IFT74. 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.

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

**Species Specificity:**

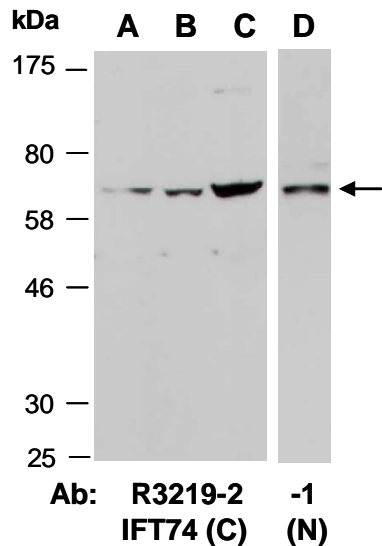
Human, Mouse

**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) human HeLa, C) human Jurkat; using 2 independent Abs against 2 distinct regions of human IFT74 at RT for 2 h.