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## TJP3 (vPair™) Antibodies

**Cat#: R1671-vp**

**Lot#: Refer to vial**

**Predicted | Observed M.W.: 103 kDa**

**Uniprot ID: O95049**

**Application: WB**

**Quantity:** 50 ul TJP3 (N) (R1671-1) Rabbit Polyclonal Antibody &

50 ul TJP3 (C) (R1671-2a) 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:**

Tight junction protein 3 (TJP3) is a member of the membrane-associated guanylate kinase-like (MAGUK) protein family which is characterized by members having multiple PDZ domains, a single SH3 domain, and a single guanylate kinase-like (GUK)-domain. In addition, members of the zonula occludens protein subfamily have an acidic domain, a basic arginine-rich region, and a proline-rich domain. TJP3 plays a role in the linkage between the actin cytoskeleton and tight-junctions and also sequesters cyclin D1 at tight junctions during mitosis. Alternative splicing results in multiple transcript variants encoding distinct isoforms of TJP3 [provided by RefSeq].

### **Other Names:**

Tight junction protein ZO-3, Tight junction protein 3, Zona occludens protein 3, Zonula occludens protein 3, ZO3

### **Source and Purity:**

Rabbit polyclonal antibodies were produced by immunizing animals with GST-fusion protein containing either the N-terminal [TJP3 (N) (R1671-1)] or the C-terminal [TJP3 (C) (R1671-2a)] region of human TJP3. Antibodies were purified by affinity purification using immunogen.

### **Species Specificity:**

Human

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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**

**Storage Buffer and Condition:**

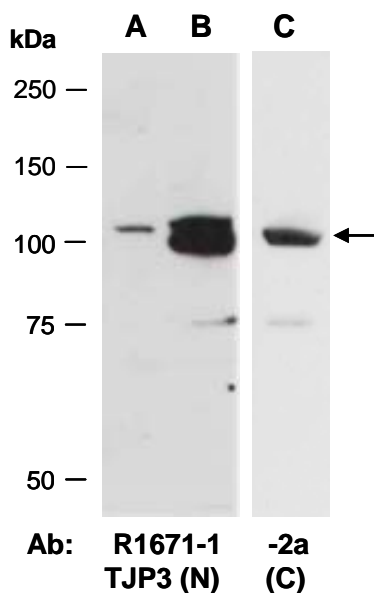
Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN<sub>3</sub>. Store at -20 °C. Stable for 6 months from date of receipt.

**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) human HeLa, (B, C) human Jurkat; using 2 independent Abs against 2 distinct regions of human TJP3 at RT for 2 h.