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## JARID2 (vPair™) Antibodies

**Cat#: R1427-vp**

**Lot#: Refer to vial**

**Predicted | Observed MW: 139 | 125 kDa**

**Uniprot ID: Q92833**

**Application: WB**

**Quantity:** 50 ul JARID2 (N) (R1427-1) Rabbit Polyclonal Antibody &

50 ul JARID2 (C) (R1427-2) 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:**

Jumonji/ARID domain-containing protein 2 (JARID2) is a regulator of histone methyltransferase complexes that plays an essential role in embryonic development, including heart and liver development, neural tube fusion process and hematopoiesis. JARID2 acts by modulating histone methyltransferase activity and promoting the recruitment of histone methyltransferase complexes to their target genes. JARID2 binds to DNA and mediates the recruitment of the PRC2 complex to target genes in embryonic stem cells, and plays a key role in differentiation of embryonic stem cells and normal development. JARID2 does not have histone demethylase activity but regulates activity of various histone methyltransferase complexes.

### **Other Names:**

Protein Jumonji, Jumonji/ARID domain-containing protein 2, JMJ

### **Source and Purity:**

Rabbit polyclonal antibodies were produced by immunizing animals with GST-fusion proteins containing either the N-terminal [JARID2 (N) (R1427-1)] or the C-terminal [JARID2 (C) (R1427-2)] region of human JARID2. 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:**

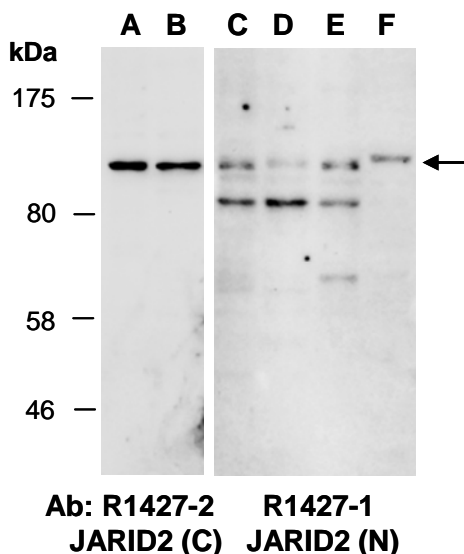
JARID2 (N) (R1427-1): Human, Mouse  
JARID2 (C) (R1427-2): Human

**Tested Applications:**

WB: 1:500-1:2,000 (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, C) human HeLa, (B, D) human Jurkat, (E) mouse thymus, (F) mouse brain; using 2 independent Abs against 2 distinct regions of human JARID2 at RT for 2 h.