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## **PDS5A (vPair™) Antibodies**

**Cat#: R2064-vp**

**Lot#: Refer to vial**

**Predicted | Observed M.W.: 151 kDa**

**Uniprot ID: Q6A026**

**Application: WB**

**Quantity:** 50 ul PDS5A (C1) (R2064-1) Rabbit Polyclonal Antibody (Uniprot ID: Q29RF7) &  
50 ul PDS5A (C3) (R2064-3) Rabbit Polyclonal Antibody (Uniprot ID: Q6A026)

### **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:**

Sister chromatid cohesion protein PDS5 homolog A (PDS5A) belongs to the PDS5 family and is a probable regulator of sister chromatid cohesion in mitosis which may stabilize cohesin complex association with chromatin. PDS5A may couple sister chromatid cohesion during mitosis to DNA replication. Cohesion ensures that chromosome partitioning is accurate in both meiotic and mitotic cells and plays an important role in DNA repair.

### **Other Names:**

Sister chromatid cohesion protein PDS5 homolog A, Cell proliferation-inducing gene 54 protein, Sister chromatid cohesion protein 112, SCC-112, PIG54

### **Source and Purity:**

Rabbit polyclonal antibodies were produced by immunizing animals with GST-fusion proteins containing 2 distinct C-terminal regions of either human [PDS5A (C1) (R2064-1)] or mouse [PDS5A (C3) (R2064-3)] PDS5A. 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:**

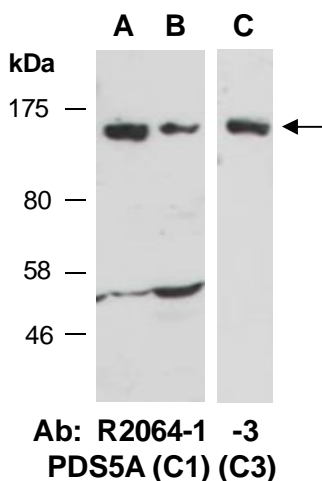
Human, Mouse

**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) human HeLa, B) human Jurkat, C) mouse thymus; using 2 independent Abs against 2 distinct regions of human or mouse PDS5A at RT for 2 h.