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## **CAND1 (vPair™) Antibodies**

**Cat#: R0878-vp**

**Lot#: Refer to vial**

**Predicted I Observed M.W.: 136 kDa**

**Uniprot ID: Q86VP6**

**Application: WB**

**Quantity:** 50 ul CAND1 (N) (R0878-1) Rabbit Polyclonal Antibody &  
50 ul CAND1 (C) (R0878-2) 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:**

Cullin-associated NEDD8-dissociated protein 1 (CAND1) belongs to the CAND family. CAND1 is a key assembly factor of SCF (SKP1-CUL1-F-box protein) E3 ubiquitin ligase complexes that promotes the exchange of the substrate-recognition F-box subunit in SCF complexes, thereby playing a key role in the cellular repertoire of SCF complexes. CAND1 acts as a F-box protein exchange factor. The exchange activity of CAND1 is coupled with cycles of neddylation conjugation: in the deneddylated state, cullin-binding CAND1 binds CUL1-RBX1, increasing dissociation of the SCF complex and promoting exchange of the F-box protein.

### **Other Names:**

Cullin-associated NEDD8-dissociated protein 1, Cullin-associated and neddylation-dissociated protein 1, TBP-interacting protein of 120 kDa A, TBP-interacting protein 120A, p120 CAND1, KIAA0829, TIP120, TIP120A

### **Source and Purity:**

Rabbit polyclonal antibodies were produced by immunizing animals with GST-fusion proteins containing either the N-terminal [CAND1 (N) (R0878-1)] or the C-terminal [CAND1 (C) (R0878-2)] region of human CAND1. 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:**

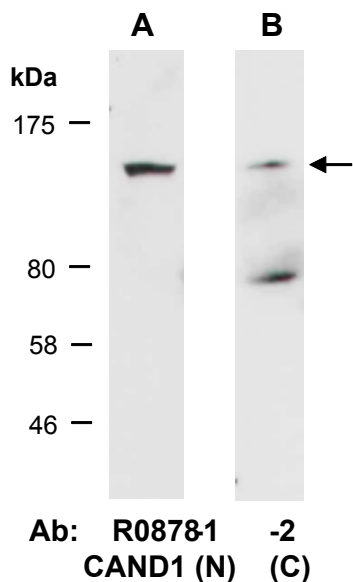
Human, Mouse

**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, B) mouse brain, using 2 independent Abs against 2 distinct regions of human CAND1 at RT for 2 h.