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## CSNK1E (vPair™) Antibodies

**Cat#: R1482-vp**

**Lot#: Refer to vial**

**Predicted | Observed M.W.: 47 | 42 kDa**

**Uniprot ID: P49674**

**Application: WB**

**Quantity:** 50 ul CSNK1E (C1) (R1482-1) Rabbit Polyclonal Antibody &  
50 ul CSNK1E (C2) (R1482-2) 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:**

CSNK1E has been implicated in the control of cytoplasmic and nuclear processes, including DNA replication and repair. CSNK1E also phosphorylates a large number of proteins. Participates in Wnt signaling. Phosphorylates DVL1. Central component of the circadian clock. May act as a negative regulator of circadian rhythmicity by phosphorylating PER1 and PER2. Retains PER1 in the cytoplasm. Inhibits cytokine-induced granulocytic differentiation.

### **Other Names:**

Casein kinase I isoform epsilon, CKIE, CKIepsilon, HCKIE

### **Source and Purity:**

Rabbit polyclonal antibodies were produced by immunizing animals with GST-fusion proteins containing 2 distinct C-terminal regions of human CSNK1E. 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:**

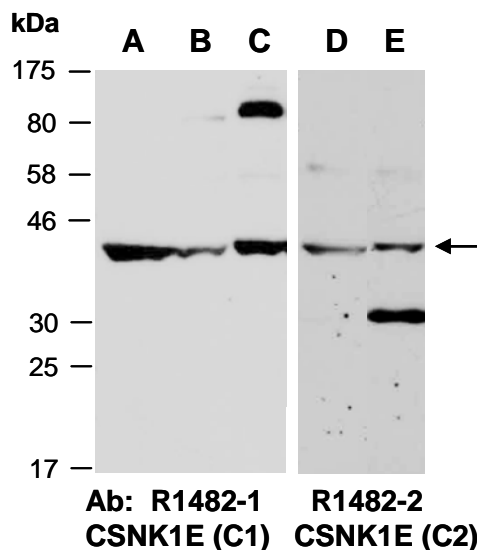
Human, Mouse

**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, D) mouse brain, (B) mouse thymus, (C, E) human HeLa; using 2 independent Abs against 2 distinct C-terminal regions of human CSNK1E at RT for 2 h.