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## CHD8 (N) Antibody, Rabbit Polyclonal

**Cat#:** R3237-1

**Quantity:** 100 ul

**Predicted | Observed M.W.:** 291 kDa

**Lot#:** Refer to vial

**Application:** WB

**Uniprot ID:** Q9HCK8

### **Background:**

Chromodomain-helicase-DNA-binding protein 8 (CHD8) is a DNA helicase that acts as a chromatin remodeling factor and regulates transcription. CHD8 acts as a transcription repressor by remodeling chromatin structure and recruiting histone H1 to target genes. CHD8 suppresses p53-mediated apoptosis by recruiting histone H1 and preventing p53 transactivation activity. CHD8 also acts as a negative regulator of Wnt signaling pathway by regulating beta-catenin (CTNNB1) activity. In addition, CHD8 acts as a suppressor of STAT3 activity by suppressing the LIF-induced STAT3 transcriptional activity. CHD8 also acts as a transcription activator via its interaction with ZNF143 by participating in efficient U6 RNA polymerase III transcription.

### **Other Names:**

Chromodomain-helicase-DNA-binding protein 8, CHD-8, ATP-dependent helicase CHD8, Helicase with SNF2 domain 1, HELSNF1, KIAA1564

### **Source and Purity:**

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing N-terminal region of human CHD8. 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:**

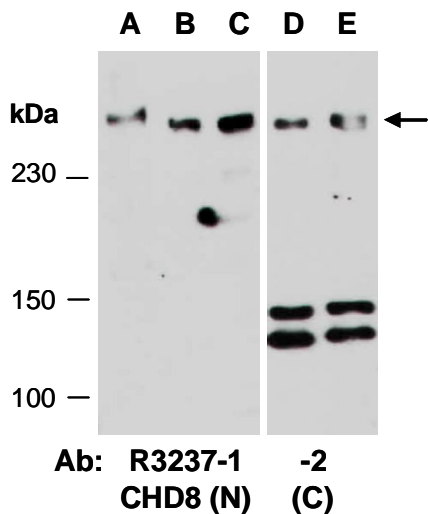
Human, Mouse

### **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) mouse thymus, B,D) human HeLa, C,E) human Jurkat; using 2 independent Abs against 2 distinct regions of human CHD8 at RT for 2 h.