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CHD8 (C) Antibody, Rabbit Polyclonal

Cat#: R3237-2

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 C-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% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human

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:

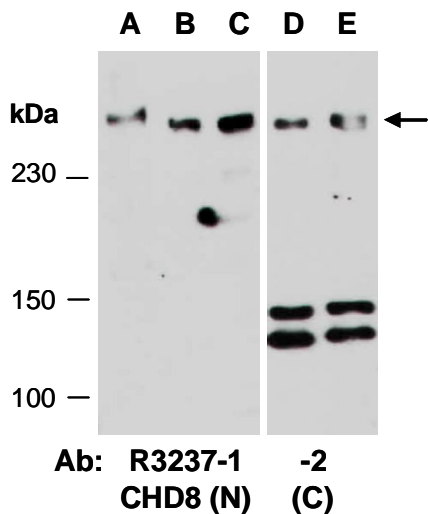


Fig 1. Western blot of total cell extracts from A) mouse thymus, B,D) human HeLa, C,E) human Jurkat; using 2 independent Abs against 2 distinct regions of human CHD8 at RT for 2 h.