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HDAC5 (N) Antibody, Rabbit Polyclonal

Cat#: R0276-1

Quantity: 100 ul

Predicted M.W.: 122 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: Q9UQL6

Background:

Histone deacetylase 5 (HDAC5) is responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. HDAC5 is involved in muscle maturation by repressing transcription of myocyte enhancer MEF2C. During muscle differentiation, it shuttles into the cytoplasm allowing the expression of myocyte enhancer factors.

Other Names:

Histone deacetylase 5, HD5, Antigen NY-CO-9, KIAA0600

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of human HDAC5. 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, Mouse

Tested Applications:

WB: 1:1,000-1:5,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

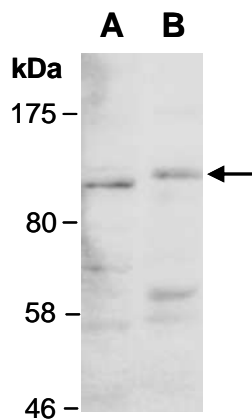


Fig 1. Western blot of total cell extracts from (A) human HeLa, (B) mouse thymus, using Ab (R0276-1) at RT for 2 h.