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HOXA9 (N1) Antibody, Rabbit Polyclonal

Cat#: R0754-1

Quantity: 100 ul

Predicted M.W.: 30 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: P31269

Background:

In vertebrates, the genes encoding the class of transcription factors called homeobox genes are found in clusters named A, B, C, and D on four separate chromosomes. Expression of these proteins is spatially and temporally regulated during embryonic development. HOXA9 is part of the A cluster on chromosome 7 and encodes a sequence-specific DNA-binding transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis. HOXA9 is highly similar to the abdominal-B (Abd-B) gene of *Drosophila*. A specific translocation event which causes a fusion between HOXA9 and NUP98 has been associated with myeloid leukemogenesis.

Other Names:

Homeobox protein Hox-A9, Homeobox protein Hox-1G, HOX1G, ABD-B, HOX1, HOX1.7

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of human HOXA9. 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: 1:500-1:1,000 (detect endogenous protein*)

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

Product Data:

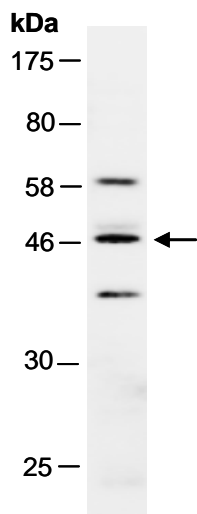


Fig 1. Western blot of total cell extracts from human Jurkat, using Ab (R0754-1) at RT for 2 h.