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RUNX1 (M) Antibody, Rabbit Polyclonal

Cat#: R1362-2

Quantity: 100 ul

Predicted | Observed M.W.: 49 | 56 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: Q01196

Background:

Runt-related transcription factor 1 (RUNX1) is a heterodimer with CBFβ. RUNX1 binds DNA as a monomer and through the Runt domain. CBFβ binds to the core site, 5'-PYGPGYGGT-3', of a number of enhancers and promoters, including murine leukemia virus, polyomavirus enhancer, T-cell receptor enhancers, LCK, IL-3 and GM-CSF promoters. The alpha subunit binds DNA and appears to have a role in the development of normal hematopoiesis. Isoform AML-1L interferes with the transactivation activity of RUNX1. RUNX1 acts synergistically with ELF4 to transactivate the IL-3 promoter and with ELF2 to transactivate the mouse BLK promoter. RUNX1 also inhibits KAT6B-dependent transcriptional activation.

Other Names:

Runt-related transcription factor 1, Acute myeloid leukemia 1 protein, Core-binding factor subunit alpha-2, CBF-alpha-2, Oncogene AML-1, Polyomavirus enhancer-binding protein 2 alpha B subunit, PEA2-alpha B, PEBP2-alpha B, SL3-3 enhancer factor 1 alpha B subunit, SL3/AKV core-binding factor alpha B subunit, AML1, CBFA2

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the middle region of human RUNX1. 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.

**For research use only. Not for therapeutic or diagnostic purposes.
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Product Data:

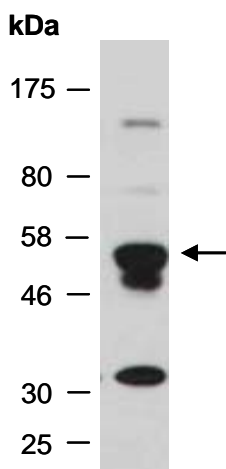


Fig 1. Western blot of total cell extracts from human Jurkat, using anti-RUNX1 (M) (R1362-2) at RT for 2 h.