For Research Use Only

RUNX1/AML1 Recombinant monoclonal antibody

Catalog Number:85325-2-RR

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Basic Information

Catalog Number:
85325-2-RR

Size:
100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_001754

GeneID (NCBI):
861

UNIPROT ID:
Q01196

Full Name:
runt-related transcription factor 1

Calculated MW:
51 kDa

Observed MW:
55 kDa

Purification Method:
Protein A purification

CloneNo.:
251044E2

Recommended Dilutions:
WB: 1:1000-1:4000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human, mouse, rat

Positive Controls:

WB : PMA treated THP-1 cells, THP-1 cells

Background Information

Runt-related transcription factor 1 (RUNX1), also named AML1 or CBF alpha 2, is a 453 amino acid protein which contains one Runt domain. RUNX1 localizes in the nucleus and is expressed in all tissues except the brain and heart. RUNX1 is involved in hematopoiesis and is frequently targeted in human leukemia by chromosomal translocations that fuse the DNA-binding domain of RUNX1 to other transcription factors and corepressor molecules. In addition to its role in leukemogenesis, RUNX1 is also involved in the diversification of sensory neurons. RUNX1 exists in some isoforms with a range of MW 20-52 kDa. The calculated molecular weight of isoform 1 is 49 kDa; however, the modified protein ranges from approximately 49 to 55 kDa.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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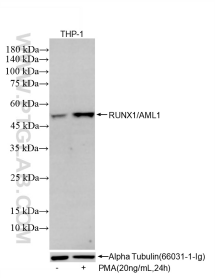
Selected Validation Data



Non-treated THP-1 cells and PMA treated THP-1 cells were subjected to SDS PAGE followed by western blot with 85325-2-RR (RUNX1/AML1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Alpha Tubulin (66031-1-Ig) antibody as a loading control.