

For Research Use Only

# RUNX1/AML1 Recombinant monoclonal antibody, PBS Only

Catalog Number: 85325-2-PBS



## Basic Information

<b>Catalog Number:</b> 85325-2-PBS	<b>GenBank Accession Number:</b> NM_001754	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 861	<b>CloneNo.:</b> 251044E2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q01196	
<b>Isotype:</b> IgG	<b>Full Name:</b> runt-related transcription factor 1	
	<b>Calculated MW:</b> 51 kDa	
	<b>Observed MW:</b> 55 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## 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 -80°C.

**Storage Buffer:**  
PBS only, pH7.3

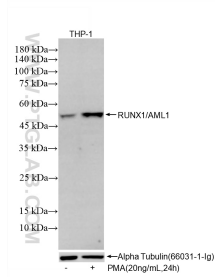
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## Selected Validation Data



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. This data was developed using the same antibody clone with 85325-2-PBS in a different storage buffer formulation.