

For Research Use Only

# RUNX1T1 Polyclonal antibody

Catalog Number: 15494-1-AP

Featured Product

3 Publications



## Basic Information

<b>Catalog Number:</b> 15494-1-AP	<b>GenBank Accession Number:</b> BC005850	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 862	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> runt-related transcription factor 1; translocated to, 1 (cyclin D-related)	<b>IHC 1:20-1:200</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 68 kDa	
<b>Immunogen Catalog Number:</b> AG7892	<b>Observed MW:</b> 64-69 kDa	

## Applications

<b>Tested Applications:</b> IHC, IP, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF, WB	<b>WB :</b> mouse brain tissue, Jurkat cells, HepG2 cells, HEK-293 cells, rat brain tissue
<b>Species Specificity:</b> human, mouse, rat	<b>IP :</b> mouse brain tissue,
<b>Cited Species:</b> human, sheep	<b>IHC :</b> mouse brain tissue,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

RUNX1T1 is a putative zinc finger transcription factor and oncoprotein. In acute myeloid leukemia, especially in the M2 subtype, the t(8;21)(q22;q22) translocation is one of the most frequent karyotypic abnormalities. The translocation produces a chimeric gene made up of the 5'-region of the RUNX1 gene fused to the 3'-region of this gene. Various transcript of the fusion gene has been reported. RUNX1T1 exists some isoforms with MV 68, 67,64, 48 and 44 kDa. The calculated molecular weight of RUNX1T1 is 67 kDa, but modified RUNX1T1 is about 70-75 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xu Zhao	25412662	Cell Res	WB
Kaiping Deng	29701705	Int J Mol Sci	WB,IF
Yidan Xu	37172727	J Biol Chem	WB

## Storage

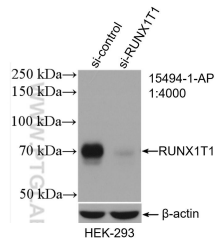
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

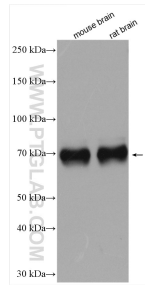
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

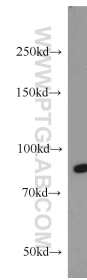
## Selected Validation Data



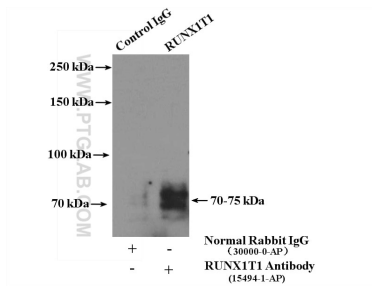
WB result of RUNX1T1 antibody (15494-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-RUNX1T1 transfected HEK-293 cells.



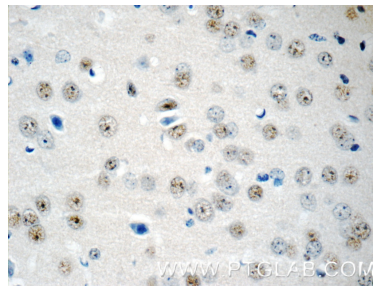
Various lysates were subjected to SDS PAGE followed by western blot with 15494-1-AP (RUNX1T1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



HepG2 cells were subjected to SDS PAGE followed by western blot with 15494-1-AP (RUNX1T1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP Result of anti-RUNX1T1 (IP:15494-1-AP, 4ug; Detection:15494-1-AP 1:800) with mouse brain tissue lysate 3600ug.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 15494-1-AP (RUNX1T1 Antibody) at dilution of 1:50 (under 40x lens).