

For Research Use Only

RUNX1T1 Polyclonal antibody

Catalog Number: 15494-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number:

15494-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7892

GenBank Accession Number:

BC005850

GeneID (NCBI):

862

UNIPROT ID:

Q06455

Full Name:

runt-related transcription factor 1;
translocated to, 1 (cyclin D-related)

Calculated MW:

68 kDa

Observed MW:

64-69 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:2000-1:10000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total
protein lysate

IHC: 1:500-1:2000

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, pig, sheep

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

Positive Controls:

WB : mouse brain tissue, Jurkat cells, HepG2 cells, HEK-
293 cells, rat brain tissue

IP : mouse brain tissue,

IHC : mouse brain tissue,

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 transcripts of the fusion gene have been reported. RUNX1T1 exists in some isoforms with MW 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
Yuchao Ni	40463134	bioRxiv	WB,IHC

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

For technical support and original validation data for this product please contact:

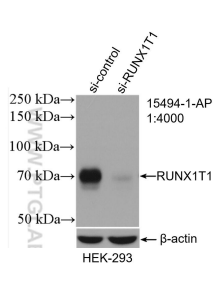
T: 4006900926

E: Proteintech-CN@ptglab.com

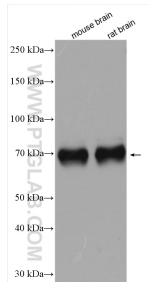
W: ptgcn.com

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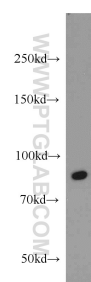
Selected Validation Data



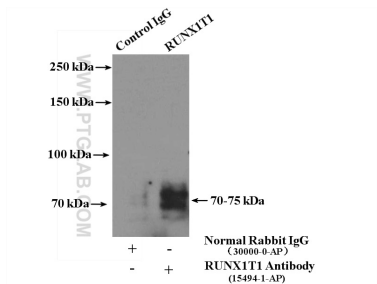
WB result of RUNX1T1 antibody (15494-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-RUNX1T1 transfected HEK-293 cells.



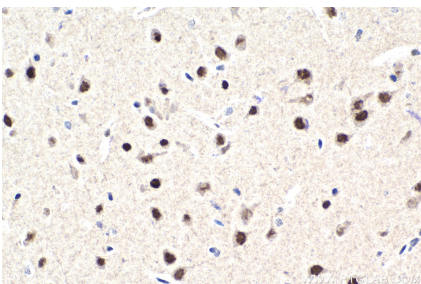
Various lysates were subjected to SDS PAGE followed by western blot with 15494-1-AP (RUNX1T1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).