For Research Use Only

RUNX1 (N-terminal) Polyclonal antibody

Catalog Number:19555-1-AP

3 Publications

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Basic Information

Catalog Number:
19555-1-AP

Size:
150ul , Concentration: 500 ug/ml by Nanodrop and 367 ug/ml by Bradford method using BSA as the standard;

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:
48-55 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:
WB, IP, ELISA

Cited Applications:
WB, CoIP, ChIP

Species Specificity:
human, mouse

Cited Species:
human, mouse, rat

Positive Controls:

WB : mouse liver tissue,

IP : mouse liver tissue,

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 sensory neuron diversification. RUNX1 exists in some isoforms with a range of MV 20-52 kDa. The calculated molecular weight of isoform 1 is 49 kDa, but the modified protein is about 49-55 kDa. This antibody (19555-1-AP) can't recognize 37 kDa isoform 11.

Notable Publications

Author	Pubmed ID	Journal	Application
Guoqiang Zhou	33242573	Protein Expr Purif	WB
Chuan Xiao	38267920	Respir Res	ChIP,WB
Hao Ding	36625319	Mol Cells	WB,CoIP

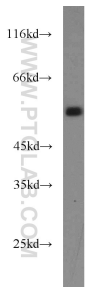
Storage

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

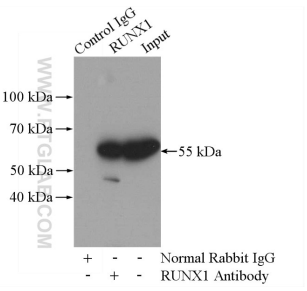
*** 20ul sizes contain 0.1% BSA

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

Selected Validation Data



mouse liver tissue were subjected to SDS PAGE followed by western blot with 19555-1-AP (RUNX1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP result of anti-RUNX1 (N-terminal) (IP:19555-1-AP, 4ug; Detection:19555-1-AP 1:500) with mouse liver tissue lysate 4000ug.