

For Research Use Only

RUNX2 Recombinant antibody

Catalog Number: 82636-2-RR **8 Publications**



Basic Information

Catalog Number:

82636-2-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_004348

GeneID (NCBI):

860

UNIPROT ID:

Q13950

Full Name:

run-related transcription factor 2

Calculated MW:

57 kDa

Observed MW:

57-60 kDa

Purification Method:

Protein A purification

CloneNo.:

1G5

Recommended Dilutions:

WB 1:2000-1:10000

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

Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

WB, IF, CoIP

Species Specificity:

Human, mouse

Cited Species:

human, mouse, rat

Positive Controls:

WB : PC-3 cells, Saos-2 cells, C2C12 cells

IP : ROS1728 cells,

Background Information

RUNX2, also named as AML3, CBFA1, OSF2 and PEBP2A, is a Transcription factor which involved in osteoblastic differentiation and skeletal morphogenesis. It is essential for the maturation of osteoblasts and both intramembranous and endochondral ossification. CBF binds to the core site, 5'-PYGPGGT-3', of a number of enhancers and promoters, including murine leukemia virus, polyomavirus enhancer, T-cell receptor enhancers, osteocalcin, osteopontin, bone sialoprotein, alpha 1(I) collagen, LCK, IL-3 and GM-CSF promoters. By similarity, RUNX2 inhibits MYST4-dependent transcriptional activation.

Notable Publications

Author	Pubmed ID	Journal	Application
Dazhen Zhang	39842743	Int J Pharm	WB, IF
Weiyue Gong	39527391	Mol Biotechnol	WB
Lifang Zhang	39487512	J Orthop Surg Res	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

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

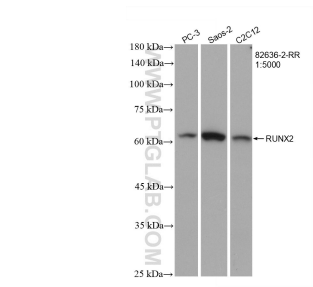
T: 4006900926

E: Proteintech-CN@ptglab.com

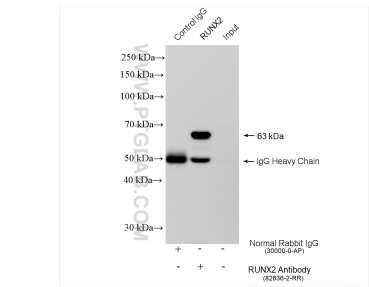
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82636-2-RR (RUNX2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



IP result of anti-RUNX2 (IP:82636-2-RR, 4ug; Detection:82636-2-RR 1:500) with ROS1728 cells lysate 2080 ug.