

For Research Use Only

RUNX2 Recombinant antibody

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



Basic Information

| | | |
|--|--|---|
| Catalog Number: 82636-2-RR | GenBank Accession Number: NM_004348 | Purification Method: Protein A purification |
| Size: 100ul , Concentration: 1000 ug/ml by Nanodrop; | GeneID (NCBI): 860 | CloneNo.: 1G5 |
| Source: Rabbit | UNIPROT ID: Q13950 | Recommended Dilutions: WB 1:2000-1:10000 |
| Isotype: IgG | Full Name: runt-related transcription factor 2 | IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate |
| | Calculated MW: 57 kDa | |
| | Observed MW: 57-60 kDa | |

Applications

| | |
|--|---|
| Tested Applications: WB, IP, ELISA | Positive Controls: |
| Cited Applications: WB, IF, CoIP | WB : PC-3 cells, Saos-2 cells, C2C12 cells |
| Species Specificity: Human, mouse | IP : ROS1728 cells, |
| Cited Species: human, mouse, rat | |

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

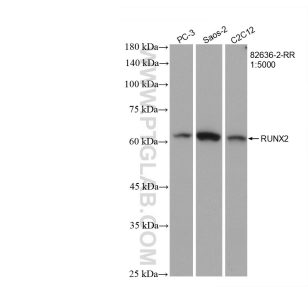
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

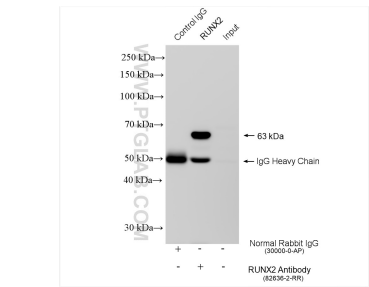
For technical support and original validation data for this product please contact:
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Selected Validation Data



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.