

For Research Use Only

RUNX2 Recombinant monoclonal antibody, PBS Only

Catalog Number: 82636-2-PBS



Basic Information

Catalog Number:

82636-2-PBS

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_004348

GeneID (NCBI):

860

UNIPROT ID:

Q13950

Full Name:

runt-related transcription factor 2

Calculated MW:

57 kDa

Observed MW:

57-60 kDa

Purification Method:

Protein A purification

CloneNo.:

1G5

Applications

Tested Applications:

WB, IP, ELISA, ChIP-qPCR

Species Specificity:

human, mouse

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.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

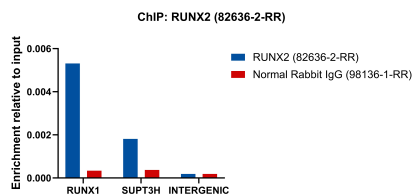
T: 4006900926

E: Proteintech-CN@ptglab.com

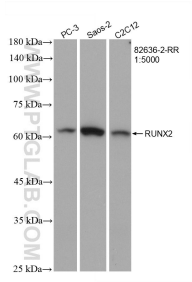
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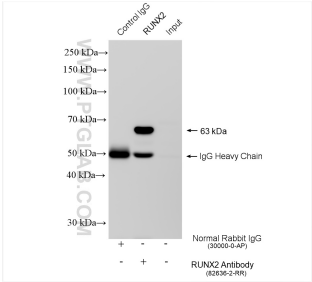
Selected Validation Data



Chromatin was prepared from Saos-2 cells. Cells were fixed with formaldehyde for 10 minutes. The ChIP was performed with 15 µg of cross-linked chromatin, 5 µg of RUNX2 (82636-2-RR) or 5 µg of Normal Rabbit IgG (98136-1-RR), and 20 µl of Protein A Magarose Beads. The immunoprecipitated DNA was quantified by real-time PCR. This data was developed using the same antibody clone with 82636-2-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 82636-2-PBS in a different storage buffer formulation.



IP result of anti-RUNX2 (IP:82636-2-RR, 4µg; Detection:82636-2-RR 1:500) with ROS1728 cells lysate 2080 µg. This data was developed using the same antibody clone with 82636-2-PBS in a different storage buffer formulation.