

For Research Use Only

RUNX2 Recombinant antibody

Catalog Number: 82636-2-RR **1 Publications**



Basic Information

Catalog Number: 82636-2-RR	GenBank Accession Number: NM_004348	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/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: WB : PC-3 cells, Saos-2 cells, C2C12 cells
Cited Applications: WB	IP : ROS1728 cells,
Species Specificity: Human, mouse	
Cited Species: human	

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
Hao Li	37769807	Life Sci	WB

Storage

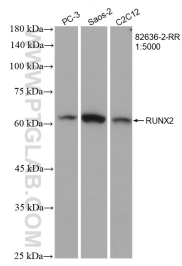
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

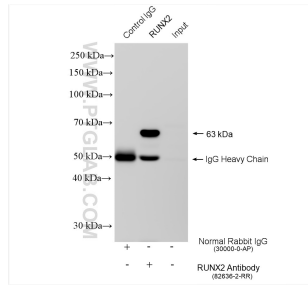
For technical support and original validation data for this product please contact:
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Selected Validation Data



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.