

For Research Use Only

RUNX2 Polyclonal antibody

Catalog Number: 20700-1-AP **39 Publications**



Basic Information

Catalog Number: 20700-1-AP	GenBank Accession Number: NM_004348	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 860	Recommended Dilutions: WB 1:200-1:1000 IF 1:50-1:500
Source: Rabbit	Full Name: runt-related transcription factor 2	
Isotype: IgG	Calculated MW: 57 kDa	
	Observed MW: 57-60 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls: WB : ROS1728 cells, IF : mouse brain tissue,
Cited Applications: ChIP, IF, IHC, WB	
Species Specificity: human, rat, mouse	
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'-PYGPGYGGT-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. The antibody is specific to RUNX2.

Notable Publications

Author	Pubmed ID	Journal	Application
Ki Mo Lee	28946662	Int J Mol Sci	WB
Zhongping Su	32954678	J Cell Mol Med	IF
Peihong Su	34700040	Bone	IF

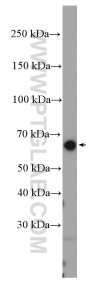
Storage

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

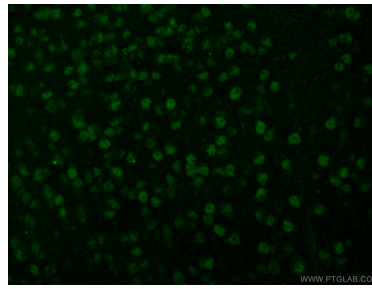
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Selected Validation Data



ROS1728 cells were subjected to SDS PAGE followed by western blot with 20700-1-AP (RUNX2 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using 20700-1-AP (RUNX2 antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).