RUNX2 Polyclonal ANTIBODY

Catalog Number: 20700-1-AP

Basic Information

Catalog Number: 20700-1-AP

GenBank Accession Number: NM_004348

Recommended Dilutions:
WB 1:200-1:1000
IF 1:50-1:500

Size: 30μg/150μl

Source: Rabbit

Full Name: runt-related transcription factor 2

Isotype: IgG

Purification Method: Antigen affinity purification

Observed MW: 57-60 kDa

Calculates MW: 57 kDa

Applications

Tested Applications: IF, WB, ELISA

Cited Applications: chIP, IF, IHC, WB

Species Specificity: human, rat

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'-PYGPYGGT-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

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<th>Author</th>
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<tr>
<td>Ki Mo Lee</td>
<td>28946662</td>
<td>Int J Mol Sci</td>
<td>WB</td>
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<tr>
<td>Xinxin Yan</td>
<td>27799770</td>
<td>Int J Nanomedicine</td>
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<tr>
<td>Fan Yang</td>
<td>31819370</td>
<td>Drug Des Devel Ther</td>
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Storage

Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.1% 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: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
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).