

For Research Use Only

# CoraLite® Plus 488-conjugated RUNX2 Polyclonal antibody

Catalog Number: CL488-20700

Featured Product

1 Publications



## Basic Information

Catalog Number:

CL488-20700

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_004348

GeneID (NCBI):

860

UNIPROT ID:

Q13950

Full Name:

run-related transcription factor 2

Calculated MW:

57 kDa

Observed MW:

57-60 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC, FC (Intra)

Cited Applications:

IF

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : SH-SY5Y cells,

## 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
Weibo Huang	39326787	J Lipid Res	IF

## Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

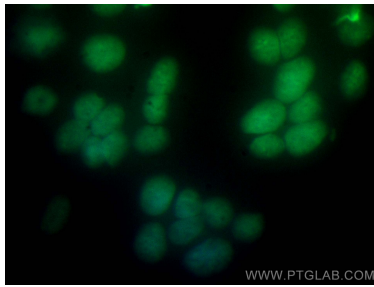
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

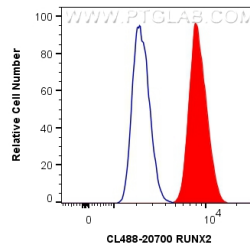
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed SH-SY5Y cells using CoraLite® Plus 488 RUNX2 antibody (CL488-20700) at dilution of 1:200.



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human RUNX2 (CL488-20700) (red), or 0.8 ug Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).