

For Research Use Only

CoraLite® Plus 488-conjugated RUNX2 Polyclonal antibody



Catalog Number: CL488-20700

Featured Product

Basic Information

Catalog Number: CL488-20700	GenBank Accession Number: NM_004348	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 860	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: runt-related transcription factor 2	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Calculated MW: 57 kDa	
	Observed MW: 57-60 kDa	

Applications

Tested Applications: FC (Intra), IF	Positive Controls: IF : SH-SY5Y cells,
Species Specificity: human, rat, 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. The antibody is specific to RUNX2.

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

*** 20ul sizes contain 0.1% BSA

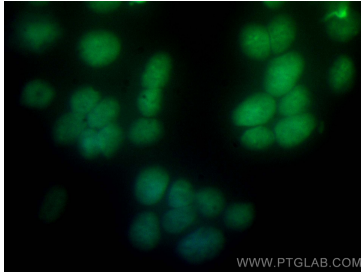
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
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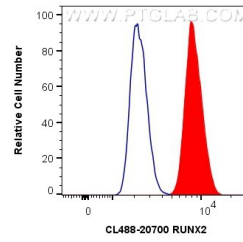
E: proteintech@ptglab.com
W: ptglab.com

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

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.



1X10⁶ 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).