

For Research Use Only

CoraLite® Plus 488-conjugated CBX2 Monoclonal antibody



Catalog Number: CL488-68244

Basic Information

Catalog Number: CL488-68244	GenBank Accession Number: BC004252	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 84733	CloneNo.: 1D3H3
Source: Mouse	Full Name: chromobox homolog 2 (Pc class homolog, Drosophila)	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG1	Calculated MW: 56 kDa	
Immunogen Catalog Number: AG8311	Observed MW: 65-70 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
Human

Background Information

The chromobox homolog protein 2 (CBX2) is a critical component of the PRC1 complex involved in antiviral innate immunity, neuronal, and gonadal differentiation, axial patterning during embryonic development, cell proliferation, and senescence (PMID: 32870972). CBX2 has 2 isoforms with the molecular mass of 23 and 56 kDa. Sometimes higher molecular weight around 65-70 kDa can also be observed, which may be a modified variant of CBX2.

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.

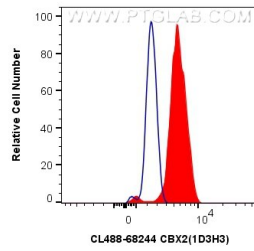
Aliquoting is unnecessary for -20°C storage

*** 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 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.

Selected Validation Data



1X10⁶ HEK-293 cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human CBX2 (CL488-68244, Clone:1D3H3) (red), or 0.8 ug CoraLite® Plus 488 Mouse IgG1 Isotype Control (MOPC-21) (CL488-65124, Clone: MOPC-21) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).