

For Research Use Only

CoraLite®488-conjugated CBX3 Monoclonal antibody



Catalog Number:CL488-66446

Basic Information

Catalog Number: CL488-66446	GenBank Accession Number: BC000954	Purification Method: Protein A purification
Size: 100ul , Concentration: 2000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 11335	CloneNo.: 1A5A3
Source: Mouse	Full Name: chromobox homolog 3 (HP1 gamma homolog, Drosophila)	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2a	Calculated MW: 21 kDa	Excitation/Emission maxima wavelengths: 488 nm/515 nm
Immunogen Catalog Number: AG19112		

Applications

Tested Applications: FC, IF	Positive Controls: IF : HepG2 cells,
Species Specificity: human, mouse	

Background Information

The family of Heterochromatin protein 1 (HP1) proteins is a family of highly conserved heterochromatin-associated non-histone chromosomal proteins, which has important functions in nucleus. These functions include gene activation or repression, regulation of binding of cohesion complexes to centromere, sequestration of genes to nuclear periphery, and heterochromatin formation and propagation. Much evidence shows that HP1 proteins interact with numerous proteins including methylated histones, histone methyltransferases and so on. CBX3 is one of the paralogues of HP1 proteins

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

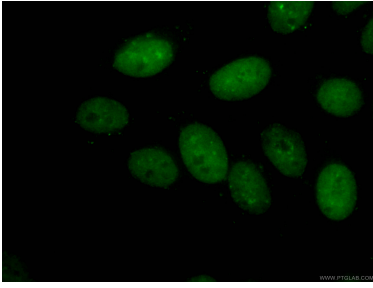
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
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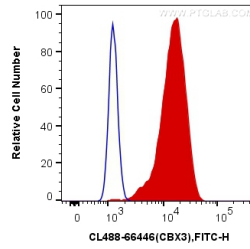
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CL488-66446 (CBX3 antibody) at dilution of 1:100.



1X10⁶ HeLa cells were stained with 0.2 ug CoraLite®488 Anti-Human CBX3 (CL488-66446, Clone:1A5A3) (red), or 0.2 ug Mouse IgG2a Isotype Control (CL488-66360-2, Clone: K11A1B2A2) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffers.