

For Research Use Only

# CoraLite® Plus 488-conjugated HMGN1 Polyclonal antibody

Catalog Number:CL488-11695



## Basic Information

<b>Catalog Number:</b> CL488-11695	<b>GenBank Accession Number:</b> BC023984	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3150	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P05114	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG	<b>Full Name:</b> high-mobility group nucleosome binding domain 1	
<b>Immunogen Catalog Number:</b> AG2315	<b>Calculated MW:</b> 100 aa, 11 kDa	
	<b>Observed MW:</b> 17 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, FC (Intra)	<b>Positive Controls:</b> IF/ICC : HepG2 cells,
<b>Species Specificity:</b> human	

## Background Information

HMGN1 (high-mobility group nucleosome-binding protein 1) is a member of the HMG superfamily of nonhistone chromatin-binding proteins, which which regulate chromatin structure and gene transcription. It binds to the inner side of the nucleosomal DNA thus altering the interaction between the DNA and the histone octamer. It may participate in the process which maintains transcribable genes in an unique chromatin conformation, and inhibit the phosphorylation of nucleosomal histones H3 and H2A by RPS6KA5/MSK1 and RPS6KA3/RSK2 expressed abundantly

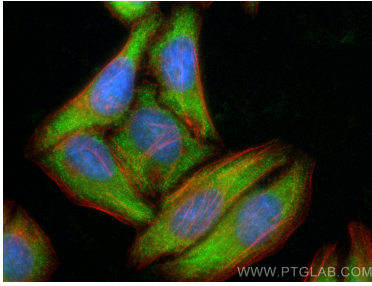
## Storage

**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

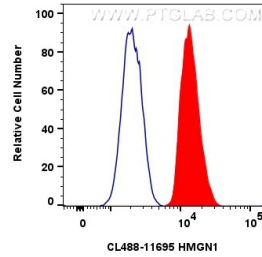
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 488 HMGN1 antibody (CL488-11695) at dilution of 1:200, CL594-Phalloidin (red).



1x10<sup>6</sup> HepG2 cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Hmgn1 Polyclonal Antibody (CL488-11695)(red), or 0.8 ug CoraLite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).