

For Research Use Only

CoraLite® Plus 488-conjugated HMGN1 Polyclonal antibody



Catalog Number: **CL488-11695**

Basic Information

Catalog Number:

CL488-11695

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2315

GenBank Accession Number:

BC023984

GeneID (NCBI):

3150

UNIPROT ID:

P05114

Full Name:

high-mobility group nucleosome
binding domain 1

Calculated MW:

100 aa, 11 kDa

Observed MW:

17 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)

Species Specificity:

human

Positive Controls:

IF/ICC : HepG2 cells,

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 a 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:

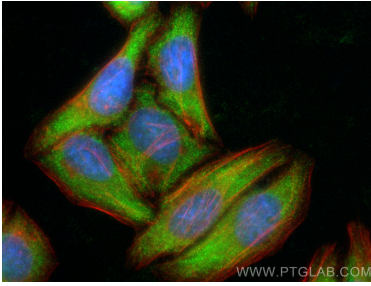
T: 4006900926

E: Proteintech-CN@ptglab.com

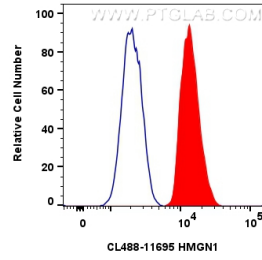
W: ptgcn.com

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).



1x10⁶ 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).