

HMGN1 Polyclonal Antibody

Catalog number: 11695-1-AP

Size: 75 µg/150 µl

Source: Rabbit

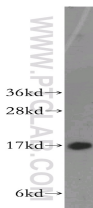
Isotype: IgG

Synonyms:

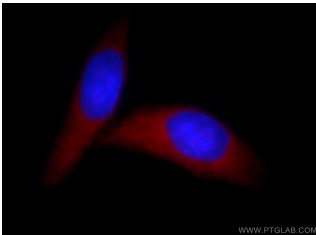
HMGN1; FLJ27265; FLJ31471;

HMG14; MGC104230;

MGC117425



HepG2 cells were subjected to SDS PAGE followed by western blot with 11695-1-AP (HMGN1 Antibody) at dilution of 1:1000



Immunofluorescent analysis of HepG2 cells, using HMGN1 antibody 11695-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).

Background

HMGN1 (high-mobility group nucleosome-binding protein 1) is a member of the HMG superfamily of nonhistone chromatin-binding proteins, 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

Applications

Tested applications:	ELISA, WB, IF
Cited applications:	WB
Species specificity:	Human, mouse, rat; other species not tested.
Cited species:	Human
Positive WB detected in:	HepG2 cells, HeLa cells
Calculated HMGN1 MW:	100aa, 11kd
Observed HMGN1 MW:	17kd
Positive IF detected in:	HepG2 cells
Recommended dilution:	WB: 1:500-1:5000 IF: 1:20-1:50

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation, FC = Flow cytometry

Immunogen information

Immunogen:	Ag2315
GenBank accession number:	BC023984
Gene ID (NCBI):	3150
Full name:	High-mobility group nucleosome binding domain 1

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.