

For Research Use Only

HMGN2 Polyclonal antibody

Catalog Number: 10953-1-AP **3 Publications**



Basic Information

Catalog Number: 10953-1-AP	GenBank Accession Number: BC014644	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop and 433 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3151	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200 IF 1:50-1:500
Source: Rabbit	Full Name: high-mobility group nucleosomal binding domain 2	
Isotype: IgG	Calculated MW: 9 aa, 3 kDa	
Immunogen Catalog Number: AG1401	Observed MW: 18-20 kDa	

Applications

Tested Applications:
IF, IHC, WB, ELISA

Cited Applications:
ELISA, WB

Species Specificity:
human

Cited Species:
human, mouse, pig

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : Jurkat cells, HeLa cells, HepG2 cells, HL-60 cells, K-562 cells

IHC : human prostate cancer tissue, human cervical cancer tissue

IF : HepG2 cells,

Background Information

HMGN2 is a highly conserved nucleosomal protein which may involve in unfolding higher-order chromatin structure and facilitating the transcriptional activation of mammalian genes. It is the most abundant, ubiquitous and evolutionarily conserved nonhistone proteins found in the nuclei of higher eukaryotes. It binds to the inner side of the nucleosomal DNA thus altering the interaction between the DNA and the histone octamer.

Notable Publications

Author	Pubmed ID	Journal	Application
Lin Su	25060707	Mol Cancer	ELISA
Mengting Xu	38242047	Ecotoxicol Environ Saf	WB
Chen Zhou	38158016	J Proteomics	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

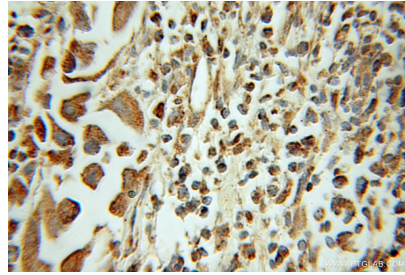
For technical support and original validation data for this product please contact:
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E: proteintech@ptglab.com
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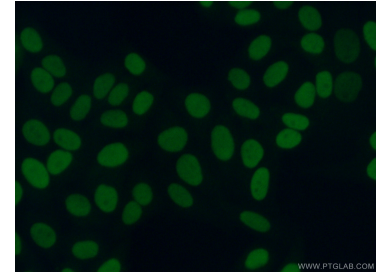
Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 10953-1-AP (HMGN2 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer using 10953-1-AP (HMGN2 antibody) at dilution of 1:50 (under 10x lens).



Immunofluorescent analysis of (10% Formaldehyde) fixed HepG2 cells using 10953-1-AP (HMGN2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).