

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: 1000 µg/ml	GeneID (NCBI): 3151	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200 IF 1:50-1:500
Source: Rabbit	UNIPROT ID: P05204	
Isotype: IgG	Full Name: high-mobility group nucleosomal binding domain 2	
Immunogen Catalog Number: AG1401	Calculated MW: 9 aa, 3 kDa	
	Observed MW: 18-20 kDa	

Applications

Tested Applications: IF/ICC, IHC, WB, ELISA	Positive Controls:
Cited Applications: WB, ELISA	WB: Jurkat cells, HeLa cells, HepG2 cells, HL-60 cells, K-562 cells
Species Specificity: human	IHC: human prostate cancer tissue, human cervical cancer tissue
Cited Species: human, mouse, pig	IF: HepG2 cells,

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

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

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

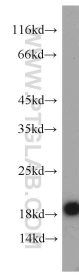
T: 4006900926

E: Proteintech-CN@ptglab.com

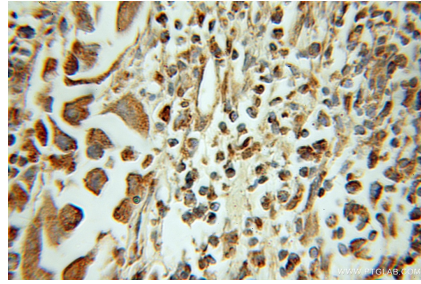
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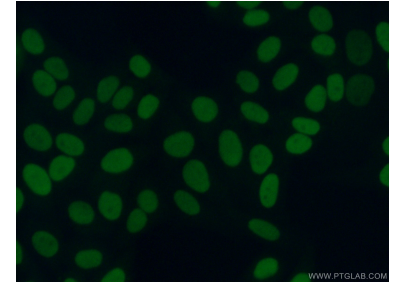
Selected Validation Data



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).