

For Research Use Only

HMGN2 Polyclonal antibody

Catalog Number: 10953-1-AP

4 Publications



Basic Information

Catalog Number:

10953-1-AP

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop and 433 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1401

GenBank Accession Number:

BC014644

GeneID (NCBI):

3151

UNIPROT ID:

P05204

Full Name:

high-mobility group nucleosomal binding domain 2

Calculated MW:

9 aa, 3 kDa

Observed MW:

18-20 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:20-1:200

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, ELISA

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/ICC : 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
Yi-Cheng Sin	39421203	Chem Sci	WB
Mengting Xu	38242047	Ecotoxicol Environ Saf	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

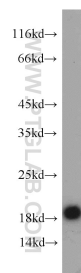
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

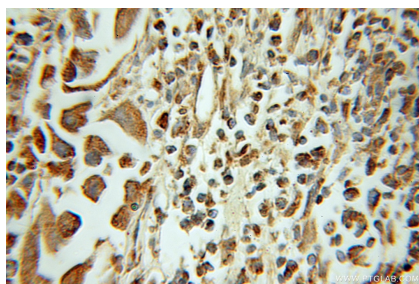
E: proteintech@ptglab.com
W: ptglab.com

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

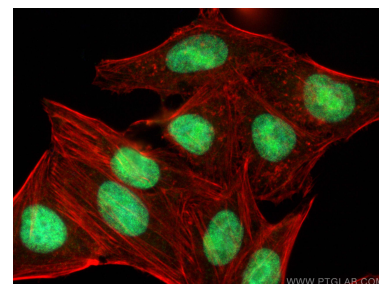
Selected Validation Data



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 (4% PFA) fixed HepG2 cells using HMGN2 antibody (10953-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).