

For Research Use Only

HMG20B Polyclonal antibody

Catalog Number: 14582-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number:

14582-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6103

GenBank Accession Number:

BC002552

GeneID (NCBI):

10362

UNIPROT ID:

Q9POW2

Full Name:

high-mobility group 20B

Calculated MW:

36 kDa

Observed MW:

36 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF 1:50-1:500

Applications

Tested Applications:

IF/ICC, IHC, IP, WB, ELISA

Cited Applications:

WB, ChIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

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 : HeLa cells,

IP : HeLa cells,

IHC : human colon cancer tissue,

IF : HeLa cells,

Background Information

CoREST (corepressor of repressor element-1-silencing transcription factor) is a chromatin-modifying complex that was first identified as a regulator of neuronal gene expression, having an essential role in neuronal differentiation [PMID:10449787]. The CoREST complex is recruited by REST (RE1-silencing transcription factor) that recognizes the 21-nucleotide RE-1 sequence in the promoter of more than 1,700 different target genes in human and mouse [PMID:15240883]. HMGB20B is one component of the CoREST complex, which mediates chromatin remodeling and repression of specific genes involved in neuronal differentiation through modulation of chromatin structure [PMID:19997604].

Notable Publications

Author	Pubmed ID	Journal	Application
Esteghamat Fatemehsadat F	21606163	Haematologica	ChIP
Lukas Leiendecker	33026191	EMBO Mol Med	WB
Roberto Ravasio	32284990	Sci Adv	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:

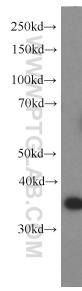
T: 4006900926

E: Proteintech-CN@ptglab.com

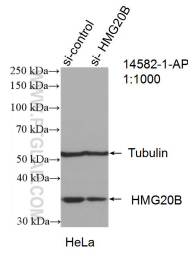
W: ptgcn.com

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

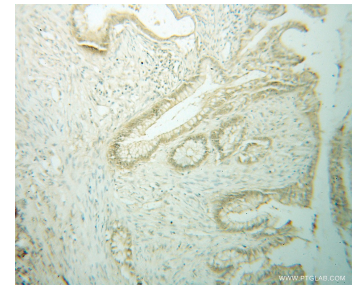
Selected Validation Data



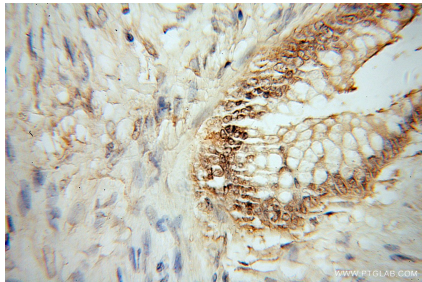
HeLa cells were subjected to SDS PAGE followed by western blot with 14582-1-AP (HMG20B antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



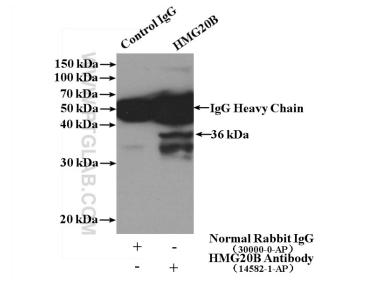
WB result of HMG20B antibody (14582-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HMG20B transfected HeLa cells.



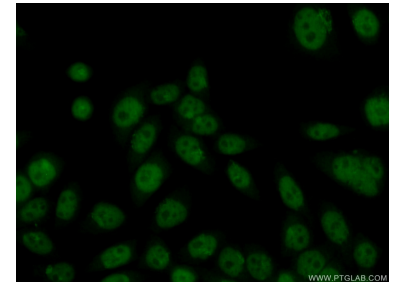
Immunohistochemical analysis of paraffin-embedded human colon cancer using 14582-1-AP (HMG20B antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon cancer using 14582-1-AP (HMG20B antibody) at dilution of 1:50 (under 40x lens).



IP result of anti-HMG20B (IP:14582-1-AP, 4ug; Detection:14582-1-AP 1:800) with HeLa cells lysate 1200ug.



Immunofluorescent analysis of (10% Formaldehyde) fixed HeLa cells using 14582-1-AP (HMG20B antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).