

For Research Use Only

# HMG20B Polyclonal antibody

Catalog Number: 14582-1-AP

Featured Product

5 Publications



## Basic Information

### Catalog Number:

14582-1-AP

### Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 233 ug/ml by Bradford method using BSA as the standard;

### 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 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:20-1:200

IF/ICC: 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IP, 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/ICC: 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, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

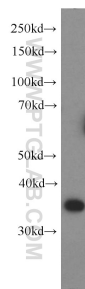
For technical support and original validation data for this product please contact:

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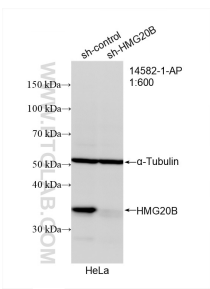
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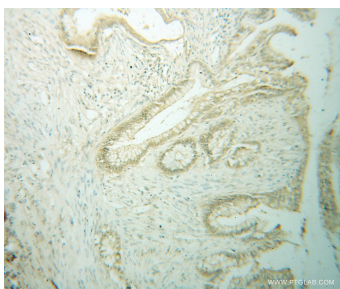
Selected Validation Data



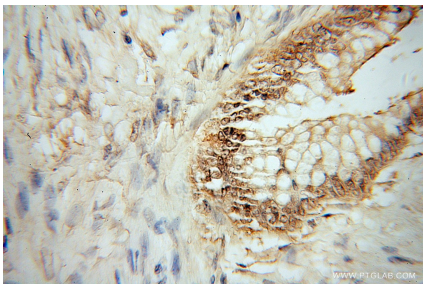
HeLa cells were subjected to SDS PAGE followed by western blot with 14582-1-AP (HMG20B antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



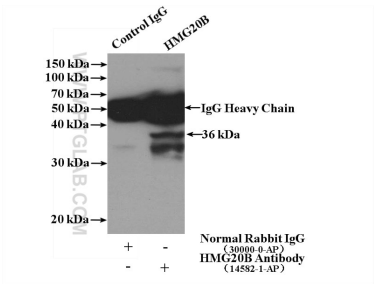
WB result of HMG20B antibody (14582-1-AP; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-HMG20B transfected HeLa cells.



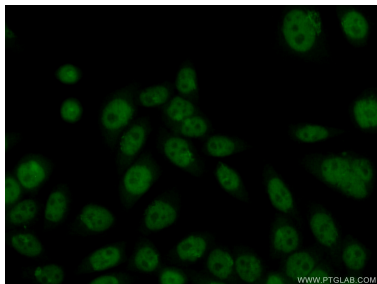
Immunohistochemical analysis of paraffin-embedded human colon cancer using 14582-1-AP (HMG20B antibody) at dilution of 1:50 (under 10x lens).



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).