

For Research Use Only

HMG20B Polyclonal antibody

Catalog Number: 14582-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number: 14582-1-AP	GenBank Accession Number: BC002552	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10362	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: high-mobility group 20B	IHC 1:20-1:200
Isotype: IgG	Calculated MW: 36 kDa	IF 1:50-1:500
Immunogen Catalog Number: AG6103	Observed MW: 36 kDa	

Applications

Tested Applications: IF, IHC, IP, WB, ELISA	Positive Controls:
Cited Applications: ChIP, WB	WB: HeLa cells,
Species Specificity: human, mouse, rat	IP: HeLa cells,
Cited Species: human, mouse	IHC: human colon cancer tissue,
	IF: HeLa 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

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]. HMG20B 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

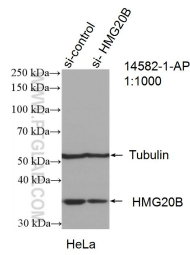
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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

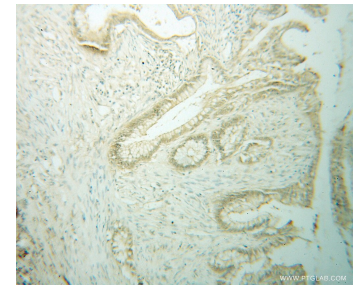
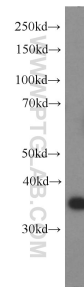
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data

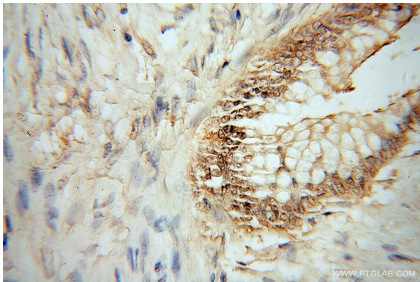


WB result of HMG20B antibody (14582-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HMG20B transfected HeLa cells.

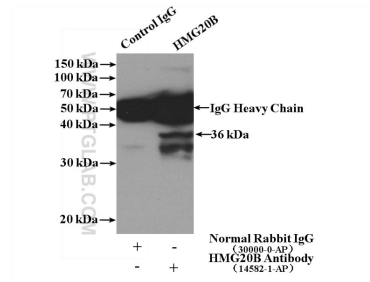
HeLa cells were subjected to SDS PAGE followed by western blot with 14582-1-AP (HMG20B antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



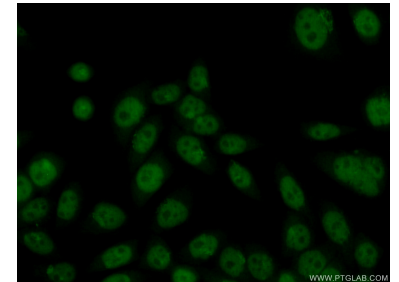
Immunohistochemical analysis of paraffin-embedded human colon cancer using 14582-1-AP (HMG20B antibody) at dilution of 1:50 (under 10x lens).



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).