

For Research Use Only

HMG20A Monoclonal antibody

Catalog Number: 66676-1-Ig



Basic Information

Catalog Number: 66676-1-Ig	GenBank Accession Number: BC021959	Purification Method: Protein G purification
Size: 1100 µg/ml	GeneID (NCBI): 10363	CloneNo.: 1B10F12
Source: Mouse	UNIPROT ID: Q9NP66	Recommended Dilutions: WB 1:1000-1:6000 IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: high-mobility group 20A	
Immunogen Catalog Number: AG2718	Calculated MW: 347 aa, 40 kDa	
	Observed MW: 45-50 kDa	

Applications

Tested Applications: IF/ICC, WB, ELISA	Positive Controls: WB : HeLa cells, HEK-293 cells, Jurkat cells, NCCIT cell
Species Specificity: Human, mouse	IF/ICC : HepG2 cells,

Background Information

The HMG (high mobility group) proteins are nonhistone chromosomal proteins that is present in almost all eukaryotic cells, and it functions to stabilize nucleosome formation and acts as a transcription-factor-like protein that regulates the expression of several genes. HMG20A has a role in the initiation of neuronal differentiation by activating REST-responsive genes, and it also involves in the recruitment of the histone methyltransferase MLL and consequent increased methylation of histone H3 lysine 4. HMG20A (for inhibitor of BRAF35) overcomes the repressive effects of the neuronal silencer REST and activates REST-responsive genes through the modulation of histone methylation

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:

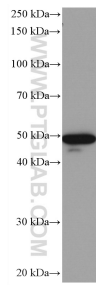
T: 4006900926

E: Proteintech-CN@ptglab.com

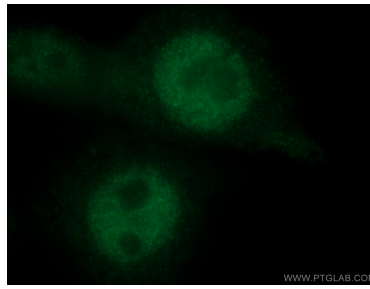
W: ptgcn.com

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 66676-1-Ig (HMG20A antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 66676-1-Ig (HMG20A antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).