

For Research Use Only

# HMG20A Monoclonal antibody

Catalog Number: 66676-1-Ig



## Basic Information

<b>Catalog Number:</b> 66676-1-Ig	<b>GenBank Accession Number:</b> BC021959	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1100 µg/ml by Nanodrop and 853 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 10363	<b>CloneNo.:</b> 1B10F12
<b>Source:</b> Mouse	<b>Full Name:</b> high-mobility group 20A	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 347 aa, 40 kDa	
<b>Immunogen Catalog Number:</b> AG2718	<b>Observed MW:</b> 45-50 kDa	

## Applications

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

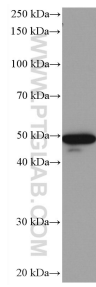
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

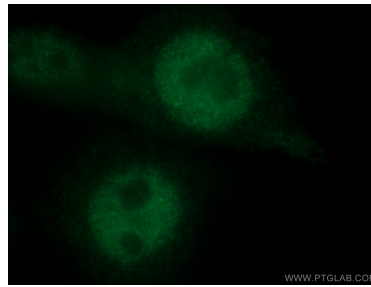
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## 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).