

For Research Use Only

# HMG20A Monoclonal antibody, PBS Only

Catalog Number: 66676-1-PBS



## Basic Information

<b>Catalog Number:</b> 66676-1-PBS	<b>GenBank Accession Number:</b> BC021959	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ug , Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10363	<b>CloneNo.:</b> 1B10F12
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9NP66	
<b>Isotype:</b> IgG1	<b>Full Name:</b> high-mobility group 20A	
<b>Immunogen Catalog Number:</b> AG2718	<b>Calculated MW:</b> 347 aa, 40 kDa	
	<b>Observed MW:</b> 45-50 kDa	

## Applications

**Tested Applications:**  
WB, IF/ICC, Indirect ELISA

**Species Specificity:**  
human, mouse

## 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

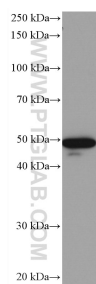
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

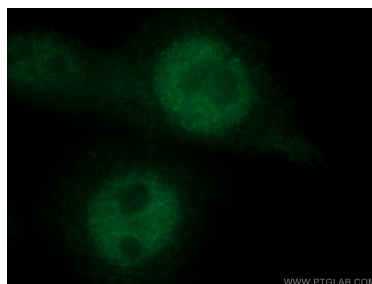
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



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. This data was developed using the same antibody clone with 66676-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66676-1-PBS in a different storage buffer formulation.