

HMG20A Monoclonal antibody

Catalog Number: 66676-1-Ig

Basic Information

Catalog Number:

66676-1-Ig

Concentration:

1100 ug/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG2718

GenBank Accession Number:

BC021959

GeneID (NCBI):

10363

UNIPROT ID:

Q9NP66

Full Name:

high-mobility group 20A

Calculated MW:

347 aa, 40 kDa

Observed MW:

45-50 kDa

Purification Method:

Protein G purification

CloneNo.:

1B10F12

Recommended Dilutions:

WB 1:1000-1:6000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : HeLa cells, HEK-293 cells, Jurkat cells, NCCIT cells

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:

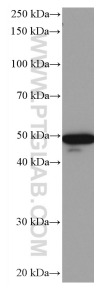
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

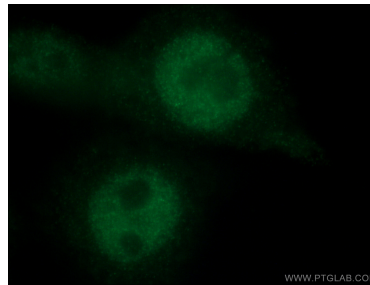
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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).