

## HMG20A Polyclonal Antibody

Catalog number: 12085-2-AP

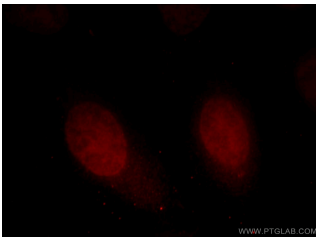
Size: 38 µg/150 µl

Source: Rabbit

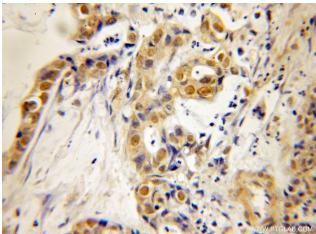
Isotype: IgG

Synonyms:

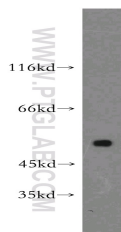
HMG20A; FLJ10739, high mobility group 20A, HMG box containing protein 20A, HMG20A, HMGX1, HMGXB1



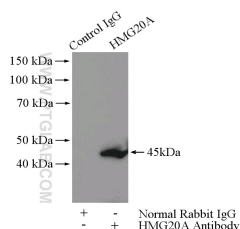
Immunofluorescent analysis of HepG2 cells, using HMG20A antibody 12085-2-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Immunohistochemical of paraffin-embedded human pancreas cancer using 12085-2-AP(HMG20A antibody) at dilution of 1:50 (under 10x lens)



Jurkat cells were subjected to SDS PAGE followed by western blot with 12085-2-AP(HMG20A antibody) at dilution of 1:500



IP Result of anti-HMG20A

### Background

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

### Applications

Tested applications:	ELISA, WB, IHC, IF, IP
Cited applications:	IF, IHC, IP, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Mouse
Calculated HMG20A MW:	347aa, 40 kDa
Observed HMG20A MW:	45-50 kDa
Positive WB detected in	Jurkat cells
Positive IP detected in	Jurkat cells
Positive IHC detected in	Human pancreas cancer tissue
Positive IF detected in	HepG2 cells
Recommended dilution:	WB: 1:500-1:5000 IP: 1:200-1:2000 IHC: 1:20-1:200 IF: 1:10-1:100

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag2718
GenBank accession number:	BC021959
Gene ID (NCBI):	10363
Full name:	High-mobility group 20A

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

**(IP:12085-2-AP, 4ug;  
Detection:12085-2-AP 1:500)  
with Jurkat cells lysate  
3200ug.**