

Anti-HMGA1 Antibody

Catalog # AP59926

Product Information

Application	WB, IF/IC
Primary Accession	P17096
Reactivity	Human, Mouse, Rat, Pig, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	11676

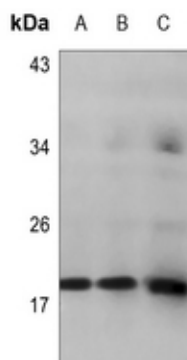
Additional Information

Gene ID	3159
Other Names	HMG1Y; High mobility group protein HMG-I/HMG-Y; HMG-I(Y); High mobility group AT-hook protein 1; High mobility group protein A1; High mobility group protein R
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human HMGA1. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

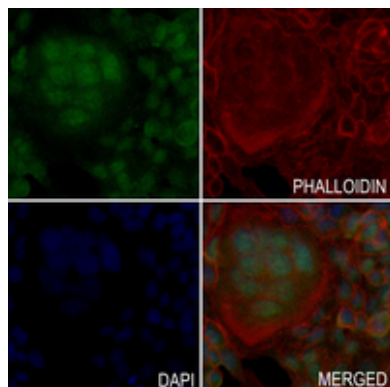
Protein Information

Name	HMGA1
Synonyms	HMG1Y
Function	HMG-I/Y bind preferentially to the minor groove of A+T rich regions in double-stranded DNA. It is suggested that these proteins could function in nucleosome phasing and in the 3'-end processing of mRNA transcripts. They are also involved in the transcription regulation of genes containing, or in close proximity to A+T-rich regions.
Cellular Location	Nucleus. Chromosome.

Images



Western blot analysis of HMGA1 expression in A375 (A), U2OS (B), MCF7 (C) whole cell lysates. (Predicted band size: 11 kD; Observed band size: 18 kD)



Immunofluorescent analysis of HMGA1 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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