



# HMG-I/HMG-Y (Acetyl Lys65) mouse mAb

Catalog No	BYmab-04426
Isotype	IgG
Reactivity	Human; Mouse; Rat
Applications	WB
Gene Name	HMGA1 HMGIY
Protein Name	HMG-I/HMG-Y (Acetyl Lys65)
Immunogen	Synthesized peptide derived from human HMG-I/HMG-Y (Acetyl Lys65)
Specificity	This antibody detects endogenous levels of Human, Mouse, Rat HMG-I/HMG-Y (Acetyl Lys65)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	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)
Observed Band	12kD
Cell Pathway	Nucleus. Chromosome.
Tissue Specificity	
Function	disease:A chromosomal aberration involving HMGA1 is found in pulmonary chondroid hamartoma. Translocation t(6;14)(p21;q23-24) with RAD51L1.,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.,mass spectrometry:With 1 acetyl and 2 phosphate groups PubMed:15302935,mass spectrometry:With 1 acetyl and 3 phosphate groups PubMed:15302935,mass spectrometry:With 1 acetyl, 1 methyl and 2 phosphate groups PubMed:15302935,mass spectrometry:With 1 acetyl, 1 methyl and 3 phosphate groups PubMed:15302935,mass spectrometry:With 1 acetyl, 2

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**Background**

This gene encodes a chromatin-associated protein involved in the regulation of gene transcription, integration of retroviruses into chromosomes, and the metastatic progression of cancer cells. The encoded protein preferentially binds to the minor groove of AT-rich regions in double-stranded DNA. Multiple transcript variants encoding different isoforms have been found for this gene. Pseudogenes of this gene have been identified on multiple chromosomes. [provided by RefSeq, Jan 2016],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images