

**HMG-I/HMG-Y (Acetyl Lys65) rabbit pAb**

<b>Catalog No :</b>	YK0142
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	HMG-I/HMG-Y
<b>Gene Name :</b>	HMGA1 HMGIY
<b>Protein Name :</b>	HMG-I/HMG-Y (Acetyl Lys65)
<b>Human Gene Id :</b>	3159
<b>Human Swiss Prot No :</b>	P17096
<b>Mouse Gene Id :</b>	111241
<b>Mouse Swiss Prot No :</b>	P17095
<b>Rat Gene Id :</b>	117062
<b>Rat Swiss Prot No :</b>	Q8K585
<b>Immunogen :</b>	Synthesized peptide derived from human HMG-I/HMG-Y (Acetyl Lys65)
<b>Specificity :</b>	This antibody detects endogenous levels of Human, Mouse, Rat HMG-I/HMG-Y (Acetyl Lys65)
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:1000-2000 ELISA 1:5000-20000
<b>Purification :</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.

**Concentration :** 1 mg/ml

---

**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

---

**Observed Band :** 12kD

---

**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],

---

**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 methyl and 2 phosphate groups PubMed:15302935,mass spectrometry:With 1 acetyl,

---

**Subcellular Location :** Nucleus. Chromosome.

---

## Products Images