

产品名称: HMG-I/HMG-Y Rabbit Polyclonal Antibody
产品货号: APRab12118



产品概述 (Summary)

产品名称 (Production Name)	HMG-I/HMG-Y Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	HMGA1 HMGIY High mobility group protein HMG-I/HMG-Y (HMG-I(Y);High mobility group
别名 (Alternative Names)	AT-hook protein 1;High mobility group protein A1;High mobility group protein R)
基因 ID (Gene ID)	3159.0
蛋白 ID (SwissProt ID)	P17096.Synthesized peptide derived from human HMG-I/HMG-Y . AA20-60

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:10000
蛋白分子量 (Molecular Weight)	

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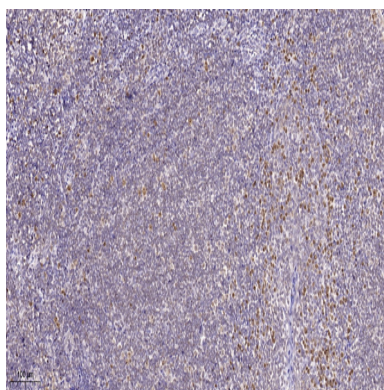
研究背景 (Background)

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],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, 2 methyl and 3 phosphate groups PubMed:15302935,PTM:Constitutively phosphorylated on two or three sites. Phosphorylated upon DNA damage, probably by ATM or ATR. Hyperphosphorylated at early stages of apoptosis, followed by dephosphorylation and methylation, which coincides with chromatin condensation. Isoform HMG-Y can be phosphorylated by HIPK2.,PTM:HMG-Y is not methylated.,PTM:Methylation at Arg-58 is mutually exclusive with methylation at Arg-60.,similarity:Belongs to the HMGA family.,similarity:Contains 3 A.T hook DNA-binding domains.,subunit:Interacts with HIPK2 (By similarity). Interacts with HIV-1 pre-integration complex.,

研究领域 (Research Area)

Microbiology

图片 (Image Data)



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Tris-EDTA,pH9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200 (4° overnight,3,Secondary antibody was diluted at 1:200 (room temperature, 45min) .

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注意事项 (Note)

For research use only .