

**产品名称: HMG-14 Rabbit Polyclonal Antibody**  
**产品货号: APRab12101**



## 产品概述 (Summary)

|                        |                                   |
|------------------------|-----------------------------------|
| 产品名称 (Production Name) | HMG-14 Rabbit Polyclonal Antibody |
| 描述 (Description)       | Rabbit polyclonal Antibody        |
| 宿主 (Host)              | Rabbit                            |
| 应用 (Application)       | 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)        | HMGN1                                                                                                                    |
| 别名 (Alternative Names) | HMGN1; HMG14; Non-histone chromosomal protein HMG-14; High mobility group nucleosome-binding domain-containing protein 1 |
| 基因 ID (Gene ID)        | 3150.0                                                                                                                   |
| 蛋白 ID (SwissProt ID)   | P05114. The antiserum was produced against synthesized peptide derived from human HMG14. AA range: 10-59                 |

## 产品应用 (Application)

|                          |                                                             |
|--------------------------|-------------------------------------------------------------|
| 稀释比 (Dilution Ratio)     | IHC 1:100-1:300, ICC/IF 1:200-1:1000, ELISA 1:10000-1:20000 |
| 蛋白分子量 (Molecular Weight) |                                                             |

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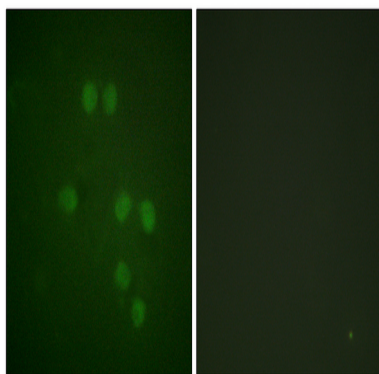


## 研究背景 (Background)

The protein encoded by this gene binds nucleosomal DNA and is associated with transcriptionally active chromatin. Along with a similar protein, HMG17, the encoded protein may help maintain an open chromatin configuration around transcribable genes. [provided by RefSeq, Aug 2011],function: Binds to the inner side of the nucleosomal DNA thus altering the interaction between the DNA and the histone octamer. May be involved in the process which maintains transcribable genes in a unique chromatin conformation. Inhibits the phosphorylation of nucleosomal histones H3 and H2A by RPS6KA5/MSK1 and RPS6KA3/RSK2.,mass spectrometry: PubMed:10739259,PTM: Phosphorylation on Ser-21 and Ser-25 weakens binding to nucleosomes and increases the rate of H3 phosphorylation (By similarity). Phosphorylation favors cytoplasmic localization.,RNA editing: Partially edited. A new initiator methionine may be created by a single uridine insertion in the 5'-UTR, causing an N-terminal extension of 45 amino acids. The existence of the RNA edited version is supported by direct protein sequencing by MS/MS of the following peptides specific to that version: 23-31 and 40-48. The RNA edited version is called ET-HMGN1.,similarity: Belongs to the HMGN family.,subcellular location: Cytoplasmic enrichment upon phosphorylation. The RNA edited version localizes to the nucleus.,

## 研究领域 (Research Area)

## 图片 (Image Data)



Immunofluorescence analysis of HepG2 cells, using HMG14 Antibody. The picture on the right is blocked with the synthesized peptide.

## 注意事项 (Note)

For research use only .