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HMGN1 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI10069

Specification

HMGN1 antibody - middle region - Product Information

Application	**IHC, WB**
Primary Accession	P05114
Other Accession	P05114, NP_004956, NM_004965
Reactivity	**Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine**
Predicted	**Human, Mouse, Rat, Rabbit, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**11 kDa KDa**

HMGN1 antibody - middle region - Additional Information

Gene ID 3150

Alias Symbol	**FLJ27265, FLJ31471, HMG14, MGC104230, MGC117425**

Other Names
Non-histone chromosomal protein HMG-14, High mobility group nucleosome-binding domain-containing protein 1, HMGN1, HMG14

Target/Specificity
Chromosomal protein HMG14 (HMGN1) and its close analog HMG17 (MIM 163910) bind to the inner side of the nucleosomal DNA, potentially altering the interaction between the DNA and the histone octamer. The 2 proteins may be involved in the process that maintains transcribable genes in a unique chromatin conformation. Their ubiquitous distribution and relative abundance, as well as the high evolutionary conservation of the DNA-binding domain of the HMG14 family of proteins, suggest that they may be involved in an important cellular function.Chromosomal protein HMG14 and its close analog HMG17 (MIM 163910) bind to the inner side of the nucleosomal DNA, potentially altering the interaction between the DNA and the histone octamer. The 2 proteins may be involved in the process that maintains transcribable genes in a unique chromatin conformation. Their ubiquitous distribution and relative abundance, as well as the high evolutionary conservation of the DNA-binding domain of the HMG14 family of proteins, suggest that they may be involved in an important cellular function.[supplied by OMIM]. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-HMGN1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.

Precautions

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HMGN1 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

HMGN1 antibody - middle region - Protein Information

Name HMGN1

Synonyms HMG14

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 (By similarity).

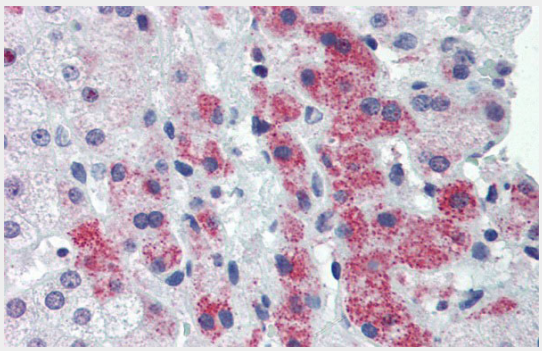
Cellular Location
Nucleus. Cytoplasm. Note=Cytoplasmic enrichment upon phosphorylation. The RNA edited version localizes to the nucleus

HMGN1 antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

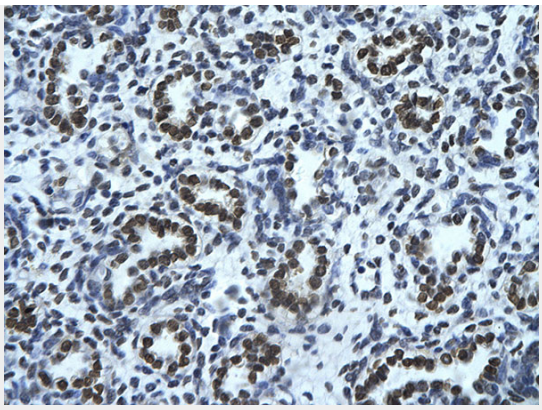
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HMGN1 antibody - middle region - Images

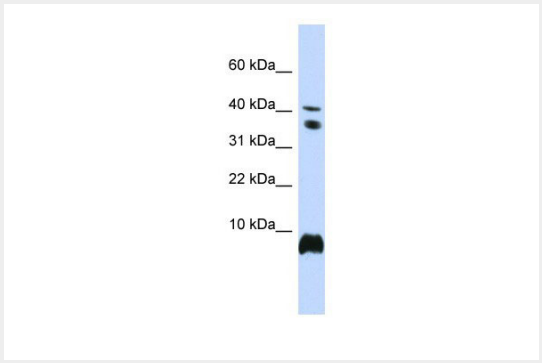


HMGN1 antibody - middle region (AI10069) in Human Liver cells using Immunohistochemistry Immunohistochemistry with Human Liver cell lysate
tissue at an antibody concentration of 5.0µg/ml using anti-HMGN1 antibody (AI10069)

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Human Lung
Rabbit Anti-HMGN1 Antibody
Paraffin Embedded Tissue: Human alveolar cell
Cellular Data: Epithelial cells of renal tubule
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X



HMGN1 antibody - middle region (AI10069) in Human 721_B cells using Western Blot
WB Suggested Anti-HMGN1 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:312500
Positive Control: 721_B cell lysate
HMGN1 is strongly supported by BioGPS gene expression data to be expressed in Human 721_B cells

HMGN1 antibody - middle region - Background

This is a rabbit polyclonal antibody against HMGN1. It was validated on Western Blot using a cell lysate as a positive control. Abgent strives to provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire (sales@abgent.com).