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HMGN1 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI10069

Product Information

Application	WB, IHC
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	10659

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

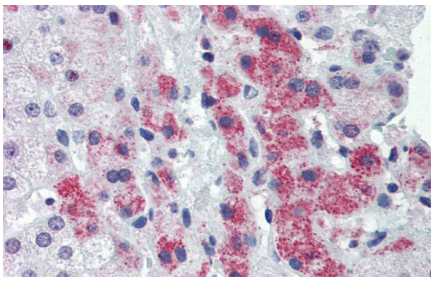
Protein Information

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

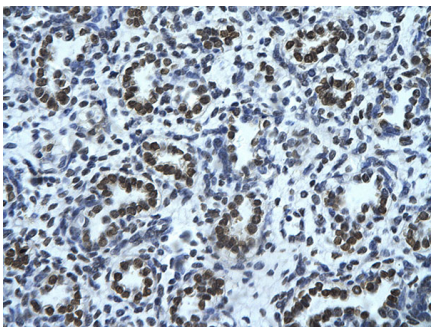
Background

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).

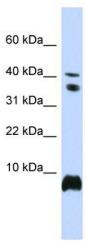
Images



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



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.