



[Go to Product page](#)

Datasheet for ABIN2779758

## anti-HMGN1 antibody (Middle Region)

### 3 Images

#### Overview

Quantity:	100 µL
Target:	HMGN1
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Pig, Dog, Horse, Rabbit, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HMGN1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

#### Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human HMGN1
Sequence:	PKKAAAKDKS SDKKVQTKGK RGAKGKQAEV ANQETKEDLP AENGETKTEE
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 79%, Horse: 100%, Human: 100%, Mouse: 77%, Pig: 86%, Rabbit: 93%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against HMGN1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

#### Target Details

Target:	HMGN1
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## Target Details

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Alternative Name: [HMGN1 \(HMGN1 Products\)](#)

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Background: 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.

Alias Symbols: FLJ27265, FLJ31471, HMG14, MGC104230, MGC117425

Protein Interaction Partner: UBC, RPS6KA3, PRKCA, PRKACG, SLC38A3, PPP1CC, LIG4, PPIP5K1, TERF2, SPP1, POLR2A, ERCC8, HDGF, EP300, BTG2, ERCC6, NFE2, RPS6KA5, RPS6KA4, PRKACA, YWHAZ, HMGN1, HMGN2, IRF2,

Protein Size: 100

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Molecular Weight: 11 kDa

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Gene ID: 3150

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NCBI Accession: [NM\\_004965](#), [NP\\_004956](#)

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UniProt: [P05114](#)

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Pathways: [Chromatin Binding](#)

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## Application Details

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Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

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Comment: Antigen size: 100 AA

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Restrictions: For Research Use only

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## Handling

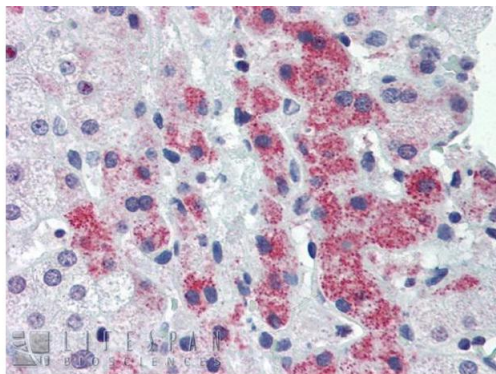
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Images



### Western Blotting

**Image 1.** WB Suggested Anti-HMGN1 Antibody Titration: 0.2-1 ug/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

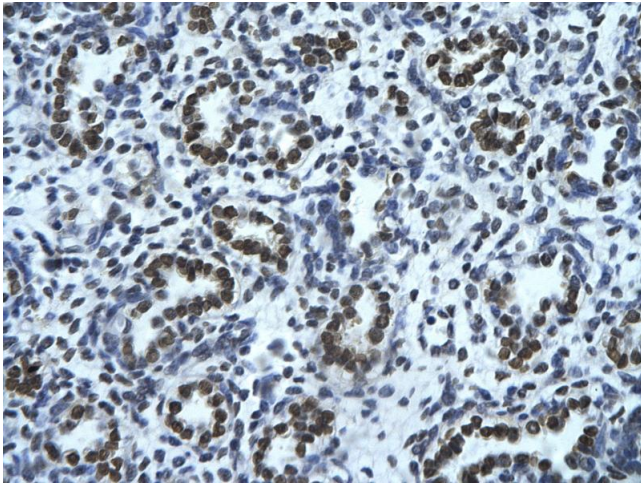


Rabbit Anti-HMGN1 Antibody  
Catalog Number: ARP32627  
Lot Number: QC2062  
Paraffin Embedded Tissue: Human Liver  
Antibody Concentration: 5.0 µg/ml

Data courtesy of Lifespan Biosciences, Inc.

### Immunohistochemistry

**Image 2.** Immunohistochemistry with Human Liver cell lysate tissue at an antibody concentration of 5.0ug/ml using anti-HMGN1 antibody



### Immunohistochemistry

**Image 3.** Rabbit Anti-HMGN1 Antibody Paraffin Embedded Tissue: Human alveolar cell Cellular Data: Epithelial cells of renal tubule Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X