

Rabbit HMGN1 Polyclonal Antibody | anti-HMGN1 antibody

HMGN1 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197415	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat	Western Blot, Immunohistochemistry

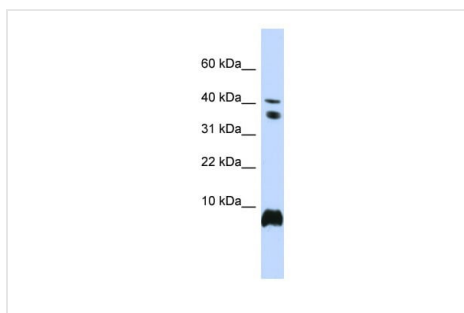
PRODUCT SYNONYMS

HMGN1; Polyclonal Antibody; HMGN1 antibody - middle region; anti-HMGN1 antibody

PRODUCT SPECIFICATIONS

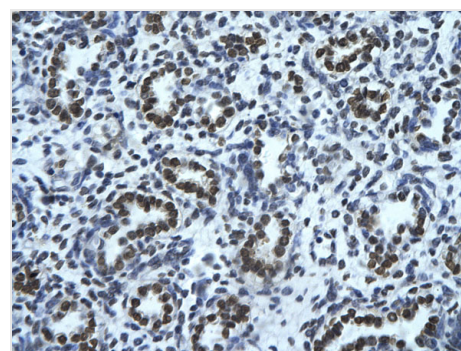
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: PK KAAAKDKSSD KKVQTKGKRG AKGKQAEVAN QETKEDLP AE NGETKTEE
Sequence Length	100
Applicable Applications for anti-HMGN1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 79%; Horse: 100%; Human: 100%; Mouse: 77%; Pig: 86%; Rabbit: 93%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human HMGN1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



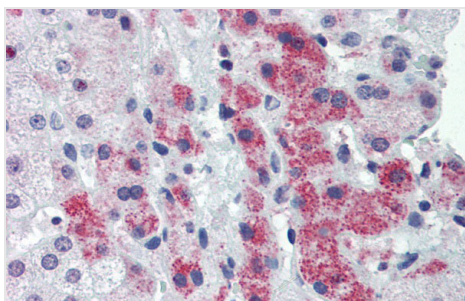
WB (Western Blot)

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



IHC (Immunohistochemistry)

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



IHC (Immunohistochemistry)
Immunohistochemistry with Human Liver cell lysate tissue at an antibody concentration of 5.0ug/ml using anti-HMG1 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-HMG1 antibody	This is a rabbit polyclonal antibody against HMG1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: Chromosomal protein HMG14 (HMG1) 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.
Product Categories/Family for anti-HMG1 antibody	Polyclonal; Transcription Factor; Transcription Regulation; Transcription Regulation; Chromatin & Nuclear Signaling; Epigenetics; E3 & Ubiquitin; DNA/RNA/Protein Interactions; Immunohistochemistry; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	48255933
NCBI GeneID	3150
NCBI Accession #	NP_004956
NCBI GenBank Nucleotide #	NM_004965
UniProt Accession #	P05114
Molecular Weight	11kDa
NCBI Official Full Name	non-histone chromosomal protein HMG-14
NCBI Official Synonym Full Names	high mobility group nucleosome binding domain 1
NCBI Official Symbol	HMG1
NCBI Official Synonym Symbols	HMG14
NCBI Protein Information	non-histone chromosomal protein HMG-14
UniProt Protein Name	Non-histone chromosomal protein HMG-14
UniProt Gene Name	HMG1
UniProt Synonym Gene Names	HMG14

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hmgn1-antibody-western-blot-immunohistochemistry-elisa/197415>