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## anti-HMGN1 antibody (Middle Region)

2 Images



Publication



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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)
Product Natails	

#### **Product Details**

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human HMGN1
Sequence:	QTKGKRGAKG KQAEVANQET KEDLPAENGE TKTEESPASD EAGEKEAKSD
Predicted Reactivity:	Cow: 93%, Dog: 100%, Guinea Pig: 92%, Horse: 100%, Human: 100%, Mouse: 79%, Pig: 100%, Rabbit: 93%, Rat: 79%
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

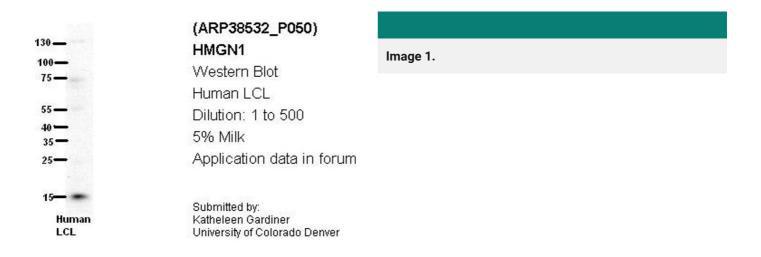
## **Target Details**

Alternative Name:	HMGN1 (HMGN1 Products)	
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	
Molecular Weight:	11 kDa	
Gene ID:	3150	
NCBI Accession:	NM_004965, NP_004956	
UniProt:	Q6NSG7	
Pathways:	Chromatin Binding	
Application Details		
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 100 AA	

## 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.
Publications	
Product cited in:	Spellman, Ahmed, Dubach, Gardiner: "Expression of trisomic proteins in Down syndrome model systems." in: <b>Gene</b> , Vol. 512, Issue 2, pp. 219-25, (2012) (PubMed).

#### **Images**





#### **Western Blotting**

**Image 2.** WB Suggested Anti-HMGN1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Human heart