



## Rabbit Anti-HMG4/HMGB3 antibody

SL8809R

<b>Product Name:</b>	HMG4/HMGB3
<b>Chinese Name:</b>	高迁移率家族蛋白3抗体
<b>Alias:</b>	High mobility group (nonhistone chromosomal) protein 4; High mobility group box 3; High mobility group protein 2a; High mobility group protein 4; High mobility group protein B3; High mobility group protein HMG4; HMG 4; HMG-2a; HMG-4; HMG2A; HMGB 3; HMGB3; HMGB3_HUMAN; MGC90319; Non histone chromosomal protein; Nonhistone chromosomal protein HMG4.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	23kDa
<b>Cellular localization:</b>	The nucleus
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human HMG4/HMGB3:1-100/200
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	HMGB3 belongs to the high mobility group (HMG) protein superfamily. Like HMG1 (MIM 163905) and HMG2 (MIM 163906), HMGB3 contains DNA-binding HMG box domains and is classified into the HMG box subfamily. Members of the HMG box

subfamily are thought to play a fundamental role in DNA replication, nucleosome assembly and transcription (Wilke et al., 1997 [PubMed 9370291]; Nemeth et al., 2006 [PubMed 16945912]).[supplied by OMIM, Mar 2008]

**Function:**

Binds preferentially single-stranded DNA and unwinds double stranded DNA.

**Subcellular Location:**

Nucleus. Chromosome.

**Tissue Specificity:**

Expressed predominantly in placenta.

**Similarity:**

Belongs to the HMGB family.  
Contains 2 HMG box DNA-binding domains.

**SWISS:**

O15347

**Gene ID:**

3149

**Database links:**

[Entrez Gene: 3149](#) Human

[Entrez Gene: 613729](#) Cow

[Entrez Gene: 15354](#) Mouse

[Entrez Gene: 305373](#) Rat

[Oimim: 300193](#) Human

[SwissProt: Q32L31](#) Cow

[SwissProt: O15347](#) Human

[SwissProt: O54879](#) Mouse

[Unigene: 19114](#) Human

[Unigene: 336087](#) Mouse

**Important Note:**

	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
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