

Rabbit Anti-HMG4/HMGB3/Cy5.5 Conjugated antibody

SL8809R-Cy5.5

Product Name	Anti-HMG4/HMGB3/Cy5.5
Chinese Name	Cy5.5 标记的高迁移率家族蛋白 3 抗体
Alias	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.
Research Area	Cell biology Signal transduction transcriptional regulatory factor Binding protein Epigenetics
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Mouse,Rat(predicted:Human,Chicken,Dog,Pig,Cow,Horse,Rabbit) IF=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	23kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human HMG4/HMGB3
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background:

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.

Database links:

[Entrez Gene: 3149](#) Human

[Entrez Gene: 613729](#) Cow

[Entrez Gene: 15354](#) Mouse

[Entrez Gene: 305373](#) Rat

[Omim: 300193](#) Human

[SwissProt: Q32L31](#) Cow

[SwissProt: O15347](#) Human

[SwissProt: O54879](#) Mouse

[Unigene: 19114](#) Human

[Unigene: 336087](#) Mouse



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Important Note:

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