

## Product datasheet for **TA344432**

### HMGB2 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-HMGB2 antibody: synthetic peptide directed towards the middle region of human HMGB2. Synthetic peptide located within the following region: DREMKNYVPPKGDKKGKKKDPNAPKRPPSAFFLCSEHRPKIKSEHPGLS
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	24 kDa
Gene Name:	high mobility group box 2
Database Link:	<a href="#">NP_002120</a> <a href="#">Entrez Gene 3148 Human</a> <a href="#">P26583</a>



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**Background:**

HMGB2 is a member of the non-histone chromosomal high mobility group protein family. The proteins of this family are chromatin-associated and ubiquitously distributed in the nucleus of higher eukaryotic cells. In vitro studies have demonstrated that this protein is able to efficiently bend DNA and form DNA circles. These studies suggest a role in facilitating cooperative interactions between cis-acting proteins by promoting DNA flexibility. HMGB2 was also reported to be involved in the final ligation step in DNA end-joining processes of DNA double-strand breaks repair and V(D)J recombination. This gene encodes a member of the non-histone chromosomal high mobility group protein family. The proteins of this family are chromatin-associated and ubiquitously distributed in the nucleus of higher eukaryotic cells. In vitro studies have demonstrated that this protein is able to efficiently bend DNA and form DNA circles. These studies suggest a role in facilitating cooperative interactions between cis-acting proteins by promoting DNA flexibility. This protein was also reported to be involved in the final ligation step in DNA end-joining processes of DNA double-strand breaks repair and V(D)J recombination. 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.

**Synonyms:**

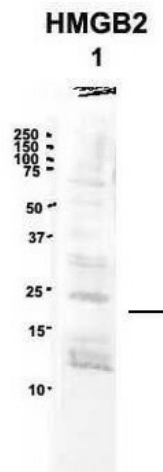
HMG2

**Note:**

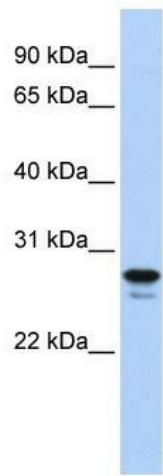
Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 87%; Zebrafish: 80%

**Protein Families:**

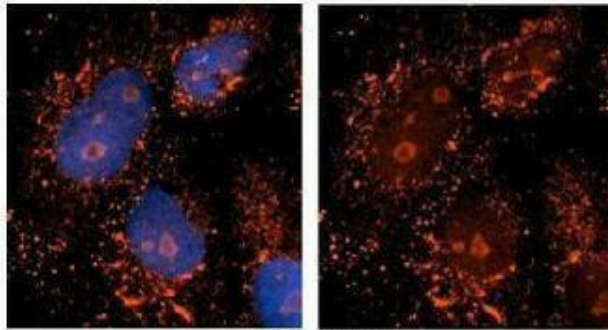
Druggable Genome, Transcription Factors

**Product images:**

Sample Type: 1. Human NT-2 cells (60ug); Primary Antibody Dilution: 2 ug/ml; Secondary Antibody: IRDye 800CW goat anti-rabbit from Li-COR Bioscience; Secondary Antibody Dilution: 1: 20,000; Image Submitted by: Yuzhi Chen; University of Arkansas for Medical



**HMGB2**

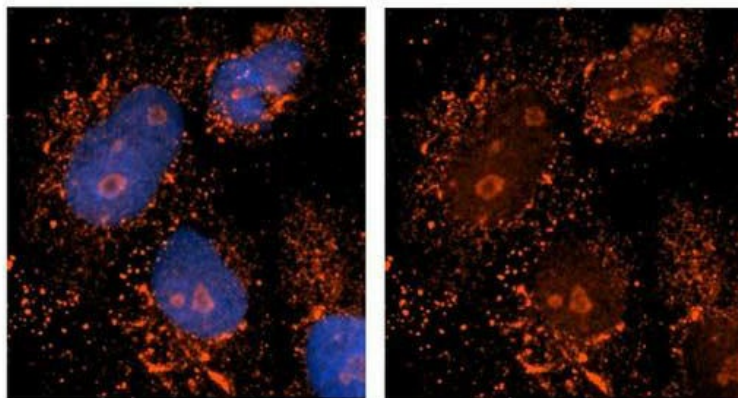


Antibody--RED  
DAPI--Blue

WB Suggested Anti-HMGB2 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:12500; Positive Control: Jurkat cell lysate HMGB2 is supported by BioGPS gene expression data to be expressed in Jurkat

Sample Type : Human brain stem cells  
Primary Antibody Dilution : 1:500  
Secondary Antibody : Goat anti-rabbit Alexa-Fluor 594  
Secondary Antibody Dilution : 1:1000  
Color/Signal Descriptions : HMGB2: Red DAPI:Blue  
Gene Name : HMGB2  
Submitted by : Dr. Yuzhi Chen, U

**HMGB2**



Sample Type: NT2 cells; Red: Antibody; Blue: DAPI; Primary Dilution: 1ug/50ul antibody; Secondary Antibody: Alexa goat anti-rabbit 594; Image Submitted by: Yuzhi Chen, University of Arkansas for Medical Sciences