

Product datasheet for **TA329706**

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 C terminal of human HMGB2. Synthetic peptide located within the following region: AAYRAKKGKSEAGKKGPRPTGSKKKNEPEDEEEEEEEDEEEEEDEEE
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>
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:	NP_002120 Entrez Gene 3148 Human P26583



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Background:

This protein is a member of the non-histone chromosomal high mobility group 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 the 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:

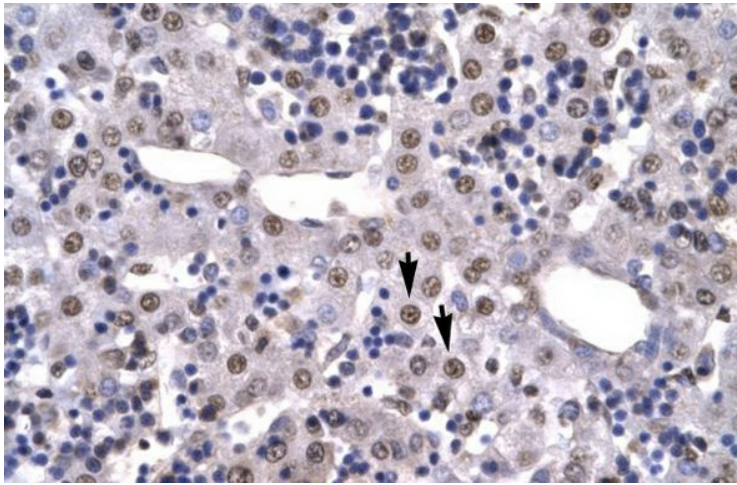
Immunogen sequence homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Zebrafish: 85%

Protein Families:

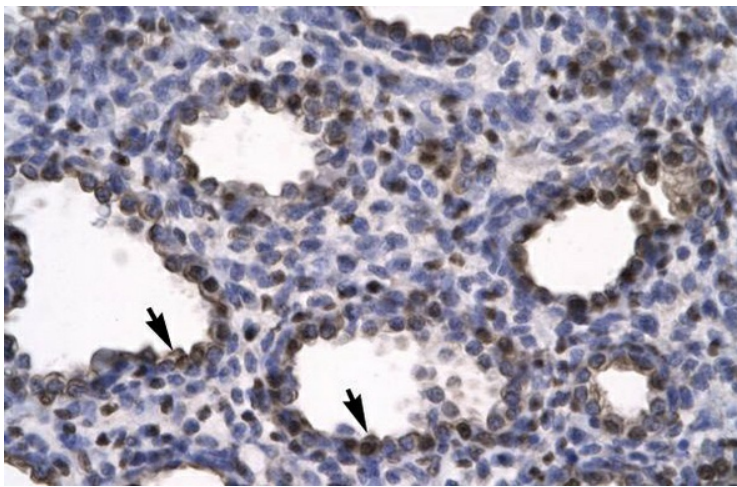
Druggable Genome, Transcription Factors

Product images:

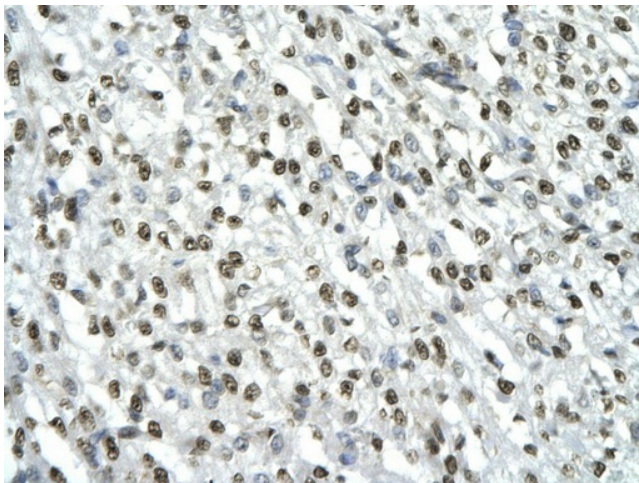
WB Suggested Anti-HMGB2 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:62500; Positive Control: Jurkat cell lysate HMGB2 is supported by BioGPS gene expression data to be expressed in Jurkat



Human Liver



Human Lung



Rabbit Anti-HMGB2 antibody; Paraffin Embedded Tissue: Human Heart cell Cellular Data: cardiac cell of renal tubule; Antibody Concentration: 4.0-8.0 ug/ml; Magnification: 400X