



[Go to Product page](#)

Datasheet for ABIN2777510
anti-HMGB2 antibody (C-Term)

4 Images

Overview

Quantity:	100 µL
Target:	HMGB2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Rabbit, Dog, Horse, Guinea Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human HMGB2
Sequence:	AAYRAKGKSE AGKKGPRPT GSKKKNEPED EEEEEEEDE DEEEDEDEE
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 85%
Characteristics:	This is a rabbit polyclonal antibody against HMGB2. It was validated on Western Blot and immunohistochemistry.
Purification:	Affinity Purified

Target Details

Target:	HMGB2
Alternative Name:	HMGB2 (HMGB2 Products)

Target Details

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.

Alias Symbols: HMG2

Protein Interaction Partner: PKNOX1, UBC, EED, YWHAG, PGD, LDHB, CKB, HMGA1, GZMK, GZMA, CSNK1A1, FN1, SCAF8, APP, TFAP4, CDK2, BKRF1, Cebp, ELAVL1, HMGB1, CHAF1A, CREBBP, SET, PGR, POU3F1, PRKDC, TP53, RAG1, POU5F1, POU2F2, POU2F1, APEX1, AR, NR3C1,

Protein Size: 209

Molecular Weight: 24 kDa

Gene ID: 3148

NCBI Accession: [NM_002129](#), [NP_002120](#)

UniProt: [P26583](#)

Pathways: [Cellular Response to Molecule of Bacterial Origin](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 209 AA

Restrictions: For Research Use only

Handling

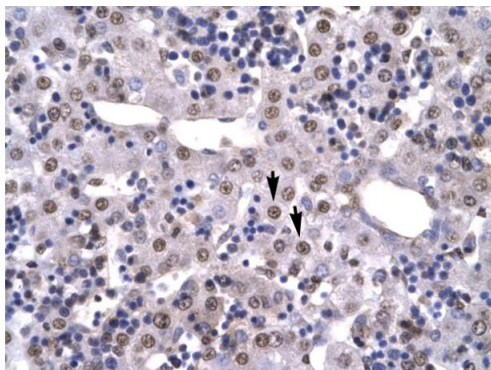
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained 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.

Images



Western Blotting

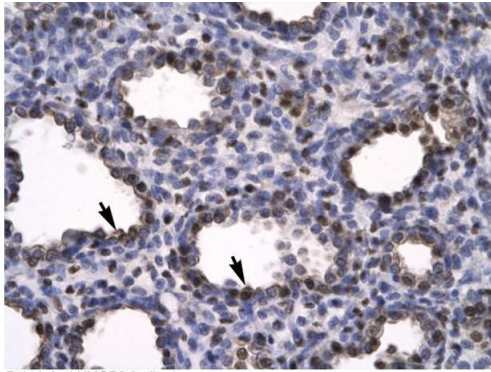
Image 1. WB Suggested Anti-HMGB2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Jurkat cell lysate HMGB2 is supported by BioGPS gene expression data to be expressed in Jurkat



Rabbit Anti-HMGB2 Antibody
Catalog Number: ARP31939
Lot Number: QC1450
Paraffin Embedded Tissue: Human Liver
Cells with Positive label: Hepatocytes (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X

Immunohistochemistry

Image 2. Human Liver



Rabbit Anti-HMGB2 Antibody
Catalog Number: ARP31939
Lot Number: QC1450
Paraffin Embedded Tissue: Human Lung
Cells with Positive label: Alveolar Cells (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X

Immunohistochemistry

Image 3. Human Lung

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2777510.