

Datasheet for ABIN4886620  
**anti-HMGB2 antibody (N-Term)**[Go to Product page](#)

## 4 Images

## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µg   |
| Target:              | HMGB2  |
| Binding Specificity: | AA 65-97, N-Term   |
| Reactivity:          | Human, Mouse, Rat  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Application:         | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

|                             |   |
|-----------------------------|---|
| Purpose:                    | Rabbit IgG polyclonal antibody for High mobility group protein B2(HMGB2) detection. Tested with WB, IHC-P in Human,Mouse,Rat.   |
| Immunogen:                  | A synthetic peptide corresponding to a sequence at the N-terminus of human HMGB2 (65-97aa KSDKARYDREMKNYVPPKGDKKGKKKDPNAPKR), identical to the related mouse and rat sequences.                                       |
| Sequence:                   | KSDKARYDRE MKNYVPPKGD KKGKKKDPNA PKR  |
| Isotype:                    | IgG   |
| Cross-Reactivity (Details): | No cross reactivity with other proteins.  |
| Characteristics:            | Rabbit IgG polyclonal antibody for High mobility group protein B2(HMGB2) detection. Tested with WB, IHC-P in Human,Mouse,Rat.<br>Gene Name: high mobility group box 2<br>Protein Name: High mobility group protein B2 |

## Product Details

Purification: Immunogen affinity purified.

## Target Details

Target: HMGB2

Alternative Name: HMGB2 ([HMGB2 Products](#))

Background: High-mobility group protein B2, also known as high-mobility group protein 2 (HMG-2), is a protein that in humans is encoded by the HMGB2 gene. 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.

Synonyms: C80539 | HMG2 | HMG-2 | HMG 2 | HMG B2 | HMGB2 | P26583

Gene ID: 3148

UniProt: [P26583](#)

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

## Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat  
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.  
Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.

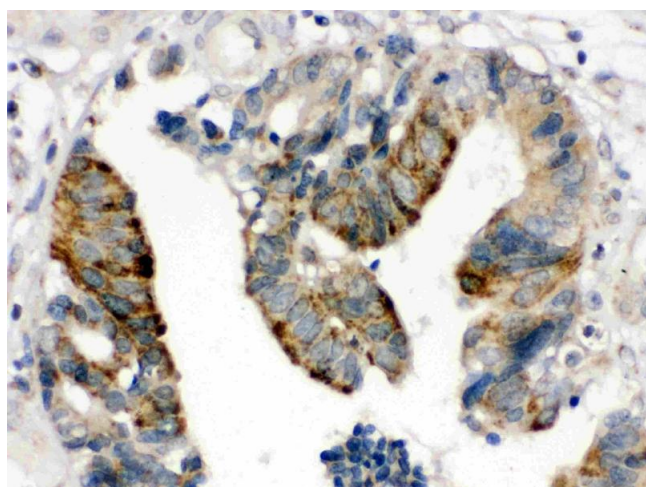
Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

## Handling

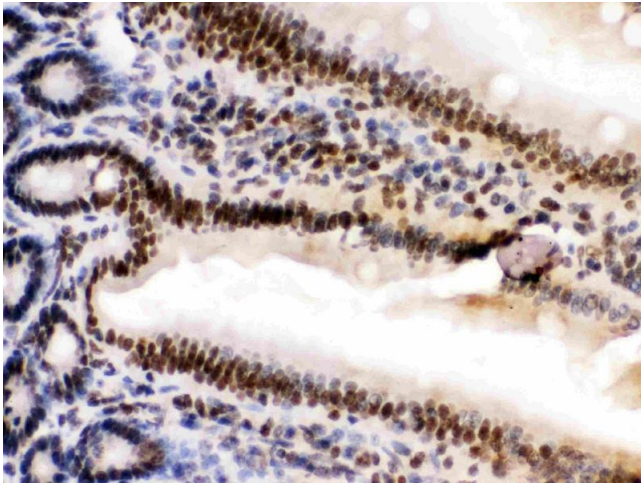
|                    |   |
|--------------------|---|
| Format:            | Lyophilized   |
| Reconstitution:    | Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.  |
| Concentration:     | 500 µg/mL   |
| Buffer:            | Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05 mg Sodium azide.   |
| 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 freezing and thawing.  |
| Storage:           | 4 °C/-20 °C   |
| Storage Comment:   | At -20°C for one year. After reconstitution, at 4°C for one month.<br>It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing. |

## Images



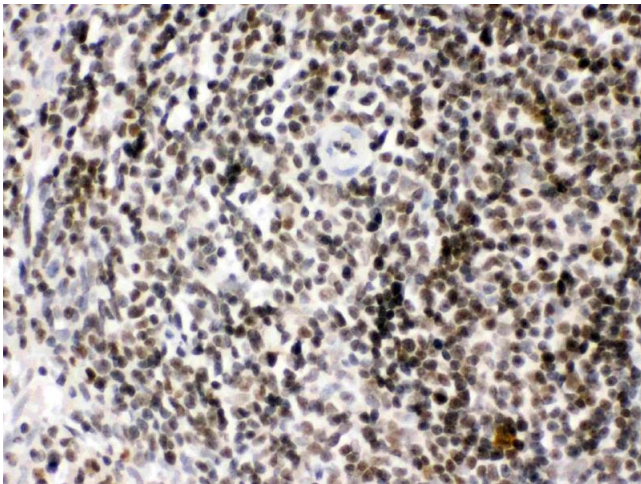
### Immunohistochemistry

**Image 1.** HMGB2 was detected in paraffin-embedded sections of human intestinal cancer tissues using rabbit anti- HMGB2 Antigen Affinity purified polyclonal antibody (Catalog # ) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



#### Immunohistochemistry

**Image 2.** HMGB2 was detected in paraffin-embedded sections of mouse intestine tissues using rabbit anti-HMGB2 Antigen Affinity purified polyclonal antibody (Catalog # ) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



#### Immunohistochemistry

**Image 3.** HMGB2 was detected in paraffin-embedded sections of rat spleen tissues using rabbit anti- HMGB2 Antigen Affinity purified polyclonal antibody (Catalog # ) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN4886620.