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Datasheet for ABIN3042447  
**anti-HMGB3 antibody (N-Term)**

4 Images

Overview

Quantity:	100 µg
Target:	HMGB3
Binding Specificity:	AA 62-95, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HMGB3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for High mobility group protein B3(HMGB3) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human HMG4 (62-95aa EMAKADKVRYDREMKDYGPAKGGKKKKDPNAPKR), identical to the related mouse and rat sequences.
Sequence:	EMAKADKVRY DREMKDYGPA KGGKKKKDPN APKR
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for High mobility group protein B3(HMGB3) detection. Tested with WB, IHC-P in Human,Mouse,Rat. Gene Name: high mobility group box 3

## Product Details

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Protein Name: High mobility group protein B3

Purification: Immunogen affinity purified.

## Target Details

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Target: HMGB3

Alternative Name: HMGB3 ([HMGB3 Products](#))

Background: High-mobility group protein B, also known as HMG4, is a protein that in humans is encoded by the HMGB3 gene. This gene encodes a member of a family of proteins containing one or more high mobility group DNA-binding motifs. The encoded protein plays an important role in maintaining stem cell populations, and may be aberrantly expressed in tumor cells. A mutation in this gene was associated with microphthalmia, syndromic 13. There are numerous pseudogenes of this gene on multiple chromosomes. Alternative splicing results in multiple transcript variants.

Synonyms: chromosomal protein, Nonhistone, HMG4 antibody|High mobility group (nonhistone chromosomal) protein 4 antibody|High mobility group box 3 antibody|High mobility group protein 2a antibody|High mobility group protein 4 antibody|High mobility group protein B3 antibody| High mobility group protein HMG4 antibody|HMG 4 antibody|HMG-2a antibody|HMG-4 antibody|HMG2A antibody|HMGB 3 antibody|HMGB3 antibody| HMGB3\_HUMAN antibody|MGC90319 antibody|Non histone chromosomal protein antibody|Nonhistone chromosomal protein HMG4 antibody

Gene ID: 3149

UniProt: [015347](#)

## Application Details

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Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, 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).

## Application Details

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

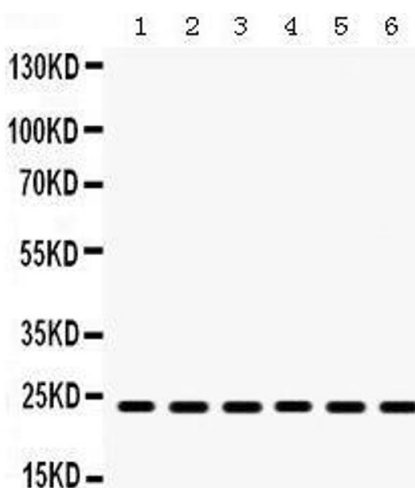
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

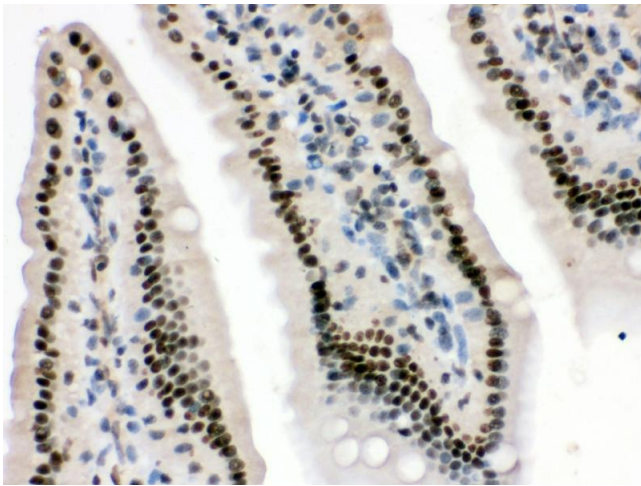
Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.  
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

## Images



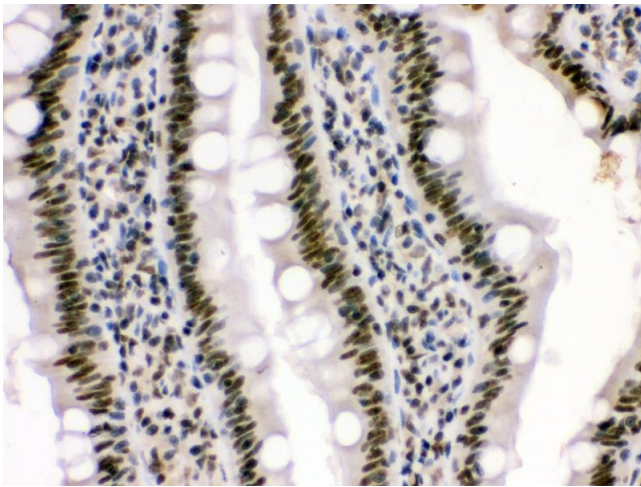
### Western Blotting

Image 1.



#### Immunohistochemistry

**Image 2.** Anti- HMG4 Picoband antibody, IHC(P) IHC(P):  
Mouse Intestine Tissue



#### Immunohistochemistry

**Image 3.** Anti- HMG4 Picoband antibody, IHC(P) IHC(P): Rat  
Intestine Tissue

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3042447.