

**HMGB3 antibody - C-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI10876****Specification**

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**HMGB3 antibody - C-terminal region - Product Information**

Application	IHC, WB
Primary Accession	<a href="#">O15347</a>
Other Accession	<a href="#">NM_005342</a> , <a href="#">NP_005333</a>
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Horse, Bovine, Dog
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Chicken, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23kDa kDa

**HMGB3 antibody - C-terminal region - Additional Information****Gene ID** 3149**Alias Symbol** HMG4, HMG-4, HMG2A, HMG-2a**Other Names**

High mobility group protein B3, High mobility group protein 2a, HMG-2a, High mobility group protein 4, HMG-4, HMGB3, HMG2A, HMG4

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 100 ul of distilled water. Final anti-HMGB3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

HMGB3 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**HMGB3 antibody - C-terminal region - Protein Information****Name** HMGB3**Synonyms** HMG2A, HMG4**Function**

Multifunctional protein with various roles in different cellular compartments. May act in a redox sensitive manner. Associates with chromatin and binds DNA with a preference for non-canonical DNA structures such as single-stranded DNA. Can bend DNA and enhance DNA flexibility by looping thus providing a mechanism to promote activities on various gene promoters (By

similarity). Proposed to be involved in the innate immune response to nucleic acids by acting as a cytoplasmic promiscuous immunogenic DNA/RNA sensor (By similarity). Negatively regulates B-cell and myeloid cell differentiation. In hematopoietic stem cells may regulate the balance between self-renewal and differentiation. Involved in negative regulation of canonical Wnt signaling (By similarity).

#### Cellular Location

Nucleus {ECO:0000250|UniProtKB:P40618, ECO:0000255|PROSITE-ProRule:PRU00267}.  
Chromosome Cytoplasm {ECO:0000250|UniProtKB:O54879}

#### Tissue Location

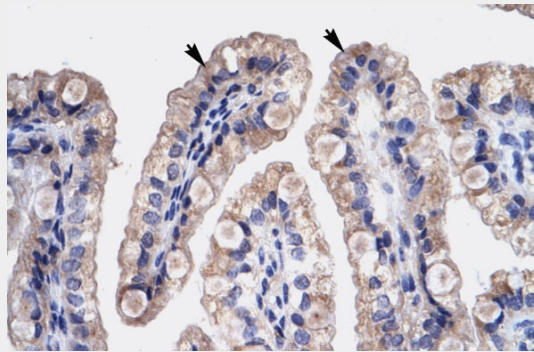
Expressed predominantly in placenta.

### HMGB3 antibody - C-terminal region - Protocols

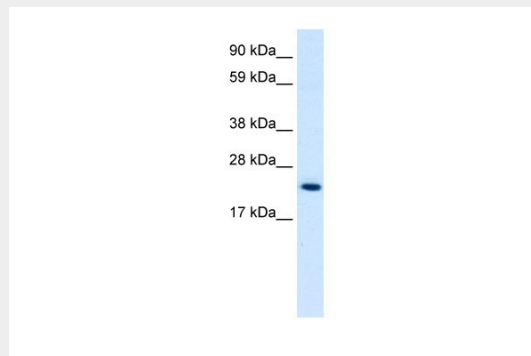
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### HMGB3 antibody - C-terminal region - Images



Human Intestine



WB Suggested Anti-HMGB3 Antibody Titration: 0.3µg/ml

ELISA Titer: 1:312500

Positive Control: Human Placenta

### **HMGB3 antibody - C-terminal region - References**

Vaccari, T., et al., (1998) Genomics 49 (2), 247-252  
Reconstitution and Storage: For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.