

# HMGB3 antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI10876

## Product Information

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<b>Application</b>	WB, IHC
<b>Primary Accession</b>	<a href="#">O15347</a>
<b>Other Accession</b>	<a href="#">NM_005342</a> , <a href="#">NP_005333</a>
<b>Reactivity</b>	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Horse, Bovine
<b>Predicted</b>	Human, Mouse, Rat, Rabbit, Zebrafish, Chicken, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	22980

## Additional Information

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<b>Gene ID</b>	3149
<b>Alias Symbol</b>	HMGB3, HMGB-4, HMGB2A, HMGB-2a
<b>Other Names</b>	High mobility group protein B3, High mobility group protein 2a, HMGB-2a, High mobility group protein 4, HMGB-4, HMGB3, HMGB2A, HMGB4
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	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.
<b>Precautions</b>	HMGB3 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	HMGB3
<b>Synonyms</b>	HMGB2A, HMGB4
<b>Function</b>	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.

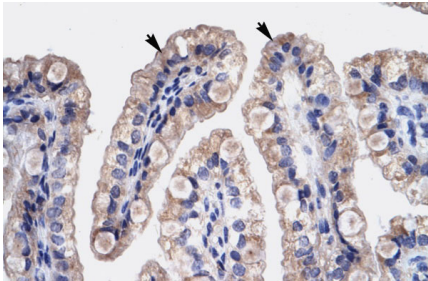
**References**

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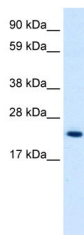
Vaccari,T., et al., (1998) Genomics 49 (2), 247-252  
Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

**Images**

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Human Intestine



WB Suggested Anti-HMGB3 Antibody Titration: 0.3µg/ml  
ELISA Titer: 1:312500  
Positive Control: Human Placenta

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.