

HMGB3 antibody - C-terminal region

Rabbit Polyclonal Antibody Catalog # Al10876

Specification

HMGB3 antibody - C-terminal region - Product Information

Application WB, IHC Primary Accession 015347

Other Accession NM 005342, NP 005333

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
Other Names

HMG4, HMG-4, HMG2A, HMG-2a

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

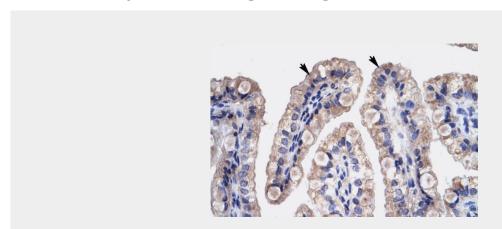
Expressed predominantly in placenta.

HMGB3 antibody - C-terminal region - Protocols

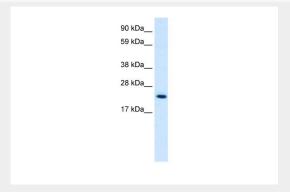
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

HMGB3 antibody - C-terminal region - Images



Human Intestine



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



Tel: 858.875.1900 Fax: 858.875.1999



ELISA Titer: 1:312500

Positive Control: Human Placenta

HMGB3 antibody - C-terminal region - References

Vaccari, T., et al., (1998) Genomics 49 (2), 247-252Reconstitution 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.