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

Specification

HMGB3 antibody - C-terminal region - Product Information

Application	**IHC, WB**
Primary Accession	O15347
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	**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}

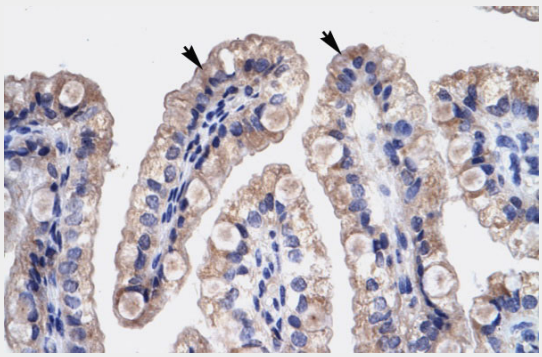
Tissue Location
Expressed predominantly in placenta.

HMGB3 antibody - C-terminal region - Protocols

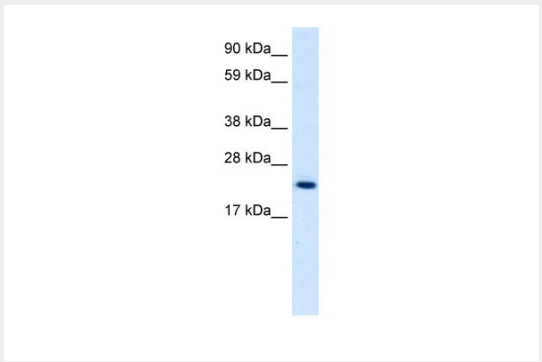
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HMGB3 antibody - C-terminal region - Images



Human Intestine



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

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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.