

**HMG4 Rabbit mAb**  
Catalog # AP76535**Specification****HMG4 Rabbit mAb - Product Information**

Application	WB, IHC, IP
Primary Accession	<a href="#">O15347</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	22980

**HMG4 Rabbit mAb - Additional Information**

Gene ID 3149

**Other Names**

HMGB3

**Dilution**

WB~~1/500-1/1000

IHC~~1/50-1/100

IP~~1/20

**Format**

Liquid

**HMG4 Rabbit mAb - 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.

### HMG4 Rabbit mAb - 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](#)

### HMG4 Rabbit mAb - Images



