

HMG4 Rabbit mAb
Catalog # AP76535**Specification**

HMG4 Rabbit mAb - Product Information

Application	WB, IHC-P, IP
Primary Accession	O15347
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-P~~N/A
IP~~1/20**Format**
50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.**Storage**
Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.**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

