

HMG4 Antibody
Rabbit mAb
Catalog # AP92868

Specification

HMG4 Antibody - Product Information

| | |
|----------------------|------------------------|
| Application | WB |
| Primary Accession | O15347 |
| Clonality | Monoclonal |
| Other Names | |
| HMG 4; HMG2A; Hmgb3; | |
| Isotype | Rabbit IgG |
| Host | Rabbit |
| Calculated MW | 22980 Da |

HMG4 Antibody - Additional Information

| | |
|------------------------------|---|
| Purification | Affinity-chromatography |
| Immunogen | A synthesized peptide derived from human HMG4 |
| Description | Binds preferentially single-stranded DNA and unwinds double stranded DNA. |
| Storage Condition and Buffer | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |

HMG4 Antibody - 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}

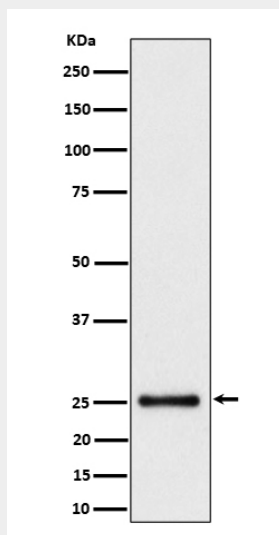
Tissue Location

Expressed predominantly in placenta.

HMG4 Antibody - 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 Antibody - Images

Western blot analysis of HMG4 expression in HeLa cell lysate.