

# HMGA2 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20974b

## Product Information

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|--------------------------|------------------------|
| <b>Application</b>       | WB, E                  |
| <b>Primary Accession</b> | <a href="#">P52926</a> |
| <b>Reactivity</b>        | Human, Mouse           |
| <b>Host</b>              | Rabbit                 |
| <b>Clonality</b>         | Polyclonal             |
| <b>Isotype</b>           | Rabbit IgG             |
| <b>Clone Names</b>       | RB51394                |
| <b>Calculated MW</b>     | 11832                  |

## Additional Information

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|---------------------------|--|
| <b>Gene ID</b>            | 8091   |
| <b>Other Names</b>        | High mobility group protein HMGI-C, High mobility group AT-hook protein 2, HMGA2, HMGIC  |
| <b>Target/Specificity</b> | This HMGA2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 15-49 amino acids from the N-terminal region of human HMGA2.        |
| <b>Dilution</b>           | WB~~1:2000 E~~Use at an assay dependent concentration.   |
| <b>Format</b>             | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| <b>Storage</b>            | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.                                      |
| <b>Precautions</b>        | HMGA2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.  |

## Protein Information

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|-----------------|---|
| <b>Name</b>     | HMGA2   |
| <b>Synonyms</b> | HMGIC   |
| <b>Function</b> | Functions as a transcriptional regulator. Functions in cell cycle regulation through CCNA2. Plays an important role in chromosome condensation during the meiotic G2/M transition of spermatocytes. Plays a role in postnatal |

myogenesis, is involved in satellite cell activation (By similarity). Positively regulates IGF2 expression through PLAG1 and in a PLAG1-independent manner (PubMed:[28796236](#)).

#### Cellular Location

Nucleus.

## Background

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Functions as a transcriptional regulator. Functions in cell cycle regulation through CCNA2. Plays an important role in chromosome condensation during the meiotic G2/M transition of spermatocytes.

## References

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Patel U.A.,et al.Biochem. Biophys. Res. Commun. 201:63-70(1994).

Schoenmakers E.F.P.M.,et al.Nat. Genet. 10:436-444(1995).

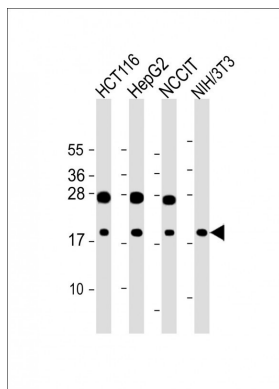
Chau K.-Y.,et al.Nucleic Acids Res. 23:4262-4266(1995).

Ashar H.R.,et al.Genomics 31:207-214(1996).

Hauke S.,et al.Biochim. Biophys. Acta 1729:24-31(2005).

## Images

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All lanes : Anti-HMGA2 Antibody (N-term) at 1:2000 dilution Lane 1: HCT116 whole cell lysate Lane 2: HepG2 whole cell lysate Lane 3: NCCIT whole cell lysate Lane 4: NIH/3T3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 12 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.