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HMGA2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP5359b

Specification

HMGA2 Antibody (C-term) - Product Information

Application	**WB, FC,E**
Primary Accession	P52926
Other Accession	P52927, NP_003475.1, NP_003474.1
Reactivity	**Human**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**11832**
Antigen Region	**64-92**

HMGA2 Antibody (C-term) - Additional Information

Gene ID 8091

Other Names
High mobility group protein HMGI-C, High mobility group AT-hook protein 2, HMGA2, HMGIC

Target/Specificity
This HMGA2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 64-92 amino acids from the C-terminal region of human HMGA2.

Dilution
WB~~1:1000
FC~~1:10~50
E~~Use at an assay dependent concentration.

Format
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.

Storage
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.

Precautions
HMGA2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

HMGA2 Antibody (C-term) - Protein Information

Name HMGA2

Synonyms HMGIC

Function 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).

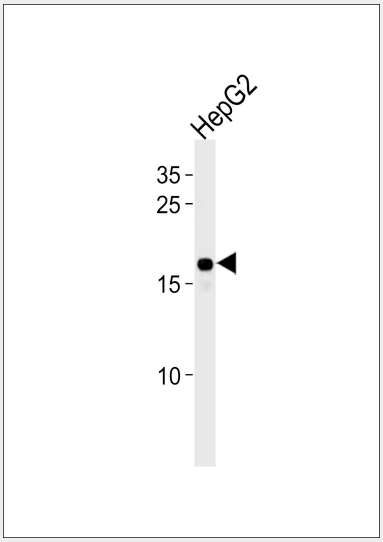
Cellular Location
Nucleus.

HMGA2 Antibody (C-term) - 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

HMGA2 Antibody (C-term) - Images



HMGA2 Antibody (C-term) (Cat. #AP5359b) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the HMGA2 antibody detected the HMGA2 protein (arrow).

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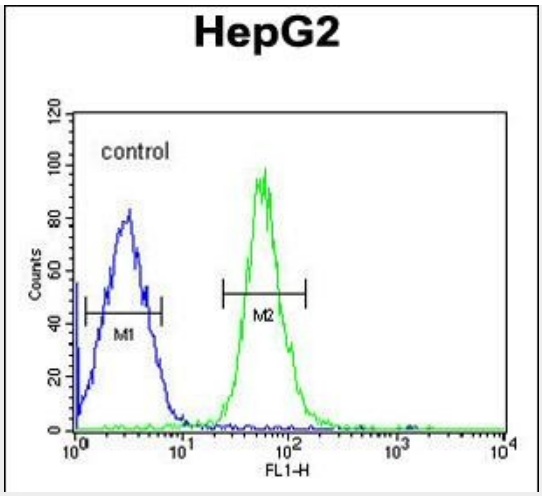

HMGA2 Antibody (C-term) (Cat. #AP5359b) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

HMGA2 Antibody (C-term) - Background

This gene encodes a protein that belongs to the non-histone chromosomal high mobility group (HMG) protein family. HMG proteins function as architectural factors and are essential components of the enhancesome. This protein contains structural DNA-binding domains and may act as a transcriptional regulating factor. Identification of the deletion, amplification, and rearrangement of this gene that are associated with myxoid liposarcoma suggests a role in adipogenesis and mesenchymal differentiation. A gene knock out study of the mouse counterpart demonstrated that this gene is involved in diet-induced obesity. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

HMGA2 Antibody (C-term) - References

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Wei, J.J., et al. Am. J. Surg. Pathol. 34(1):18-26(2010)
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HMGA2 Antibody (C-term) - Citations

- Cr (VI) induced mitophagy via the interaction of HMGA2 and PARK2
- HMGA2 upregulation mediates Cd-induced migration and invasion in A549 cells and in lung tissues of mice.