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HMGA2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5359b

Product Information

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

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	FC~~1:10~50 WB~~1:1000 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.

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.

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.

References

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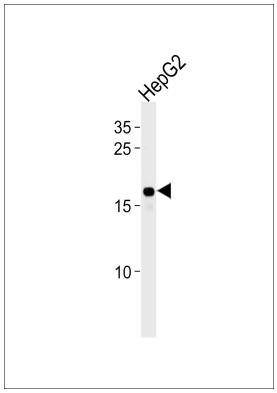
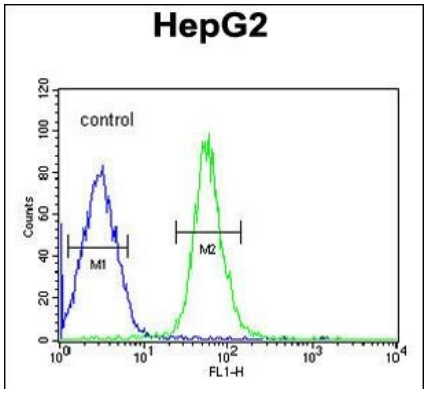
Images



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).

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.



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.