10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

HMG2 Antibody (Ascites)

Mouse Monoclonal Antibody (Mab)
Catalog # AM2077a

Specification

HMG2 Antibody (Ascites) - Product Information

Application	**WB,E**
Primary Accession	P52926
Other Accession	P52927, NP_003474.1
Reactivity	**Human**
Predicted	**Mouse**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG2b**
Calculated MW	**11832**
Antigen Region	**64-92**

HMG2 Antibody (Ascites) - 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 HMG2 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 64-92 amino acids from human HMG2.

Dilution
WB~~1:500~8000

Format
Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.

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
HMG2 Antibody (Ascites) is for research use only and not for use in diagnostic or therapeutic procedures.

HMG2 Antibody (Ascites) - 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).

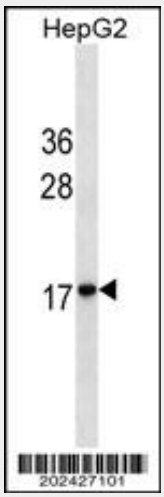
Cellular Location
Nucleus.

HMG2 Antibody (Ascites) - 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

HMG2 Antibody (Ascites) - Images



HMG2 Antibody (Cat. #AM2077a) western blot analysis in HepG2 cell line lysates (35µg/lane).This demonstrates the HMG2 antibody detected the HMG2 protein (arrow).

HMG2 Antibody (Ascites) - 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.

HMG2 Antibody (Ascites) - References

Markowski, D.N., et al. Cancer Genet. Cytogenet. 202(1):53-57(2010)
Velagaleti, G.V., et al. Cancer Genet. Cytogenet. 202(1):11-16(2010)
Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Liu, Y., et al. Carcinogenesis 31(10):1762-1769(2010)
Voight, B.F., et al. Nat. Genet. 42(7):579-589(2010)