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HMG2 Antibody (Ascites)

Mouse Monoclonal Antibody (Mab)
Catalog # AM2077a

Product Information

Application	WB, E
Primary Accession	P52926
Other Accession	P52927, NP_003474.1
Reactivity	Human
Predicted	Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Clone Names	523ct16.1.1
Antigen Region	64-92

Additional Information

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 E~~Use at an assay dependent concentration.
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.

Protein Information

Background

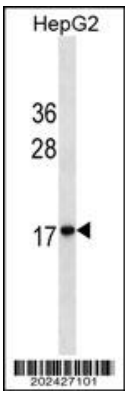
This gene encodes a protein that belongs to the non-histone chromosomal high mobility group (HMG) protein family. HMG proteins function as architectural factors and are essential components of the enhancesome. This protein contains structural DNA-binding domains and may act as a transcriptional regulating 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

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)

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).