HMGA2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	HMGA2, Polyclonal Antibody
Full Product Name	HMGA2 (C-Term) Rabbit pAb
Product Gene Name	anti-HMGA2 antibody
Product Synonym Names	High mobility group protein HMGI-C; High mobility group AT-hook protein 2; HMGA2; HMGIC
Clonality	Polyclonal
Isotype	Ig
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	In PBS supplemented with 0.09% (W/V) Sodium Azide.
Purity/Purification	Affinity Purified
OMIM	gene 611547
3D Structure	ModBase 3D Structure for P52926
Immunogen	This HMGA2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 84-118 amino acids from the C-terminal region of human HMGA2.
Cellular Localization	Nucleus
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-HMGA2 antibody	Western Blot (WB)
Application Notes for anti-HMGA2 antibody	WB: 1:2000
Related Product Information for anti-HMGA2 antibody	MBS8557331 is an antibody targeting HMGA2. Also known as HMGA2 (C-Term) Rabbit pAb. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-HMGA2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HMGA2. It may not necessarily be applicable to this product.

NCBI GI #	1708263
NCBI GeneID	8091
NCBI Accession #	P52926.1
UniProt Primary Accession #	P52926
UniProt Related Accession #	P52926
NCBI Official Full Name	High mobility group protein HMGI-C

NCBI Official Synonym Full Names	high mobility group AT-hook 2
NCBI Official Symbol	HMGA2
NCBI Official Synonym Symbols	BABL; LIPO; HMGIC; HMGI-C; STQTL9
UniProt Protein Name	High mobility group protein HMGI-C
UniProt Synonym Protein Names	High mobility group AT-hook protein 2
Protein Family	High mobility group protein
UniProt Gene Name	HMGA2
UniProt Synonym Gene Names	HMGIC
UniProt Entry Name	HMGA2_HUMAN
NCBI Protein Information	high mobility group protein HMGI-C
NCBI Summary for HMGA2	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. [provided by RefSeq, Jul 2008]
UniProt Comments for HMGA2	HMGA2: 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. Interacts with E4F1. Interacts with NEK2. Belongs to the HMGA family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: DNA-binding; Oncoprotein Chromosomal Location of Human Ortholog: 12q15 Cellular Component: nucleoplasm; nuclear chromosome; nucleus Molecular Function: protein binding; nucleosomal DNA binding; DNA-(apurinic or apyrimidinic site) lyase activity; DNA binding; AT DNA binding; DNA-dependent protein kinase activity; 5'-deoxyribose-5-phosphate lyase activity; SMAD binding; DNA bending activity; transcription factor binding Biological Process: fat cell differentiation; establishment and/or maintenance of chromatin architecture; positive regulation of apoptosis; multicellular organismal development; positive regulation of transcription, DNA-dependent; mesodermal cell differentiation; negative regulation of transcription from RNA polymerase II promoter; regulation of transcription, DNA-dependent; base-excision repair; regulation of growth; chondrocyte differentiation; negative regulation of retroviral genome replication; mitosis; transcription, DNA-dependent; heterochromatin formation; response to virus; DNA damage response, detection of DNA damage; stem cell differentiation; DNA catabolic process, endonucleolytic; negative regulation of DNA binding; chromosome condensation; mesenchymal cell differentiation; cell division; mitotic cell cycle G2/M transition DNA damage checkpoint; chromosome breakage; epithelial to mesenchymal transition; positive regulation of transcription from RNA polymerase II promoter; negative regulation of transcription, DNA-dependent; negative regulation of apoptosis Disease: Leiomyoma, Uterine
Research Articles on HMGA2	**1.** MiR-34a-5p suppressed tumorigenesis and progression of glioma and potentiated TMZ-induced cytotoxicity for glioma cells by targeting HMGA2
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