

HMGA2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant HMGA2. Catalog # AT2383a

Specification

HMGA2 Antibody (monoclonal) (M01) - Product Information

Application WB, IF, E **Primary Accession** P52926 Other Accession NM 003483 Reactivity Human Host mouse Clonality **Monoclonal** Isotype IgG1 Kappa Calculated MW 11832

HMGA2 Antibody (monoclonal) (M01) - Additional Information

Gene ID 8091

Other Names

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

Target/Specificity

HMGA2 (NP_003474, 1 a.a. \sim 92 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000 IF~~1:50~200 E~~N/A

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2.

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

HMGA2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

HMGA2 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides

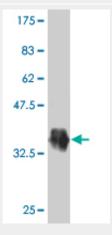


- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

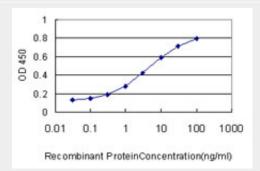
HMGA2 Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to HMGA2 on HeLa cell . [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.86 KDa) .



Detection limit for recombinant GST tagged HMGA2 is approximately 0.1ng/ml as a capture antibody.

HMGA2 Antibody (monoclonal) (M01) - Background





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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 (monoclonal) (M01) - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086. Gamma-Radiation Sensitivity and Polymorphisms in RAD51L1 Modulate Glioma Risk. Liu Y, et al. Carcinogenesis, 2010 Jul 7. PMID 20610542.HMGA2 is a sensitive but not specific immunohistochemical marker of vulvovaginal aggressive angiomyxoma. McCluggage WG, et al. Am J Surg Pathol, 2010 Jul. PMID 20551826.HMGA2 and the p19Arf-TP53-CDKN1A axis: a delicate balance in the growth of uterine leiomyomas. Markowski DN, et al. Genes Chromosomes Cancer, 2010 Aug. PMID 20544840.HMGA1 and HMGA2 rearrangements in mass-forming endometriosis. Medeiros F, et al. Genes Chromosomes Cancer, 2010 Jul. PMID 20461755.