

**HMGA2 Antibody (monoclonal) (M01)**

Mouse monoclonal antibody raised against a partial recombinant HMGA2.

Catalog # AT2383a

**Specification**

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**HMGA2 Antibody (monoclonal) (M01) - Product Information**

Application	IF, WB, E
Primary Accession	<a href="#">P52926</a>
Other Accession	<a href="#">NM_003483</a>
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. ~ 92 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 kDa.

**Dilution**

WB ~ 1:500 ~ 1000

**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.

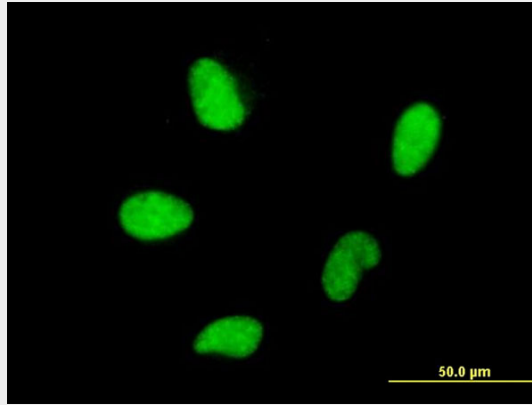
**HMGA2 Antibody (monoclonal) (M01) - Protocols**

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

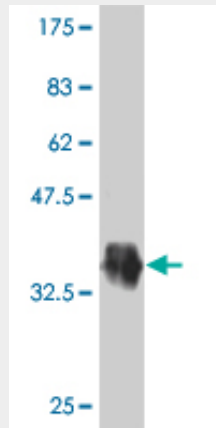
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

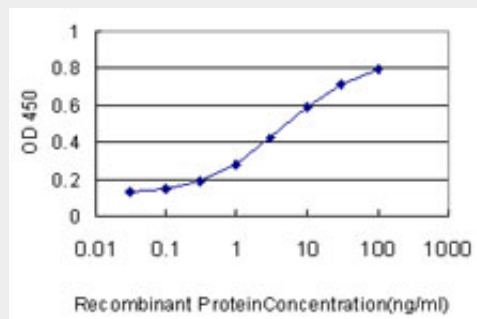
### HMGA2 Antibody (monoclonal) (M01) - Images



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

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 enhancosome. 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 Thiazolinedione-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.