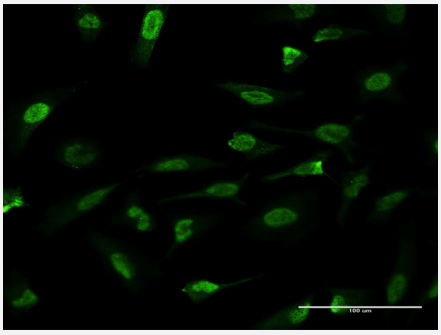
HMGA2 monoclonal antibody (M04), clone 2D3

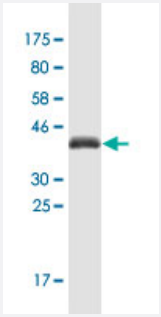
Catalog # H00008091-M04 Size 100 ug

Applications



Immunofluorescence

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



Western Blot detection against Immunogen (35.86 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant HMGA2.
Immunogen	HMGA2 (NP_003474, 1 a.a. ~ 92 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MSARGEGAGQPSTSAQGQPAAPAPQKRGRGRPRKQQQEPTGEPSPKRPRGRPKGSKNKSPS KAAQKKAEATGEKRPRGRPRKWPQQVVQKKP
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa

Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.86 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

- Immunofluorescence

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

Gene Info — HMGA2

Entrez GeneID	8091
GeneBank Accession#	NM_003483
Protein Accession#	NP_003474
Gene Name	HMGA2
Gene Alias	BABL, HMGI-C, HMGIC, LIPO, STQTL9
Gene Description	high mobility group AT-hook 2
Omim ID	151900 600698
Gene Ontology	Hyperlink
Gene Summary	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

Other Designations	High-mobility group protein HMGI-C|high-mobility group (nonhistone chromosomal) protein isoform I-C

Disease

- Brain Neoplasms
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Glioma
- Insulin Resistance
- Leiomyoma
- Osteoarthritis
- Uterine Neoplasms
- Ventricular Dysfunction