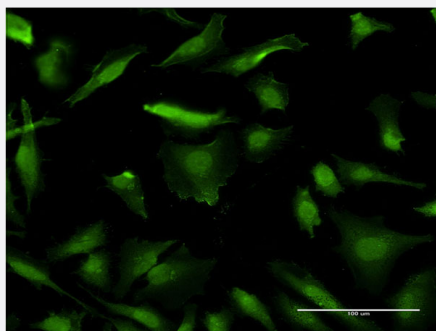


HMGA1 monoclonal antibody (M03), clone 2A1

Catalog # H00003159-M03

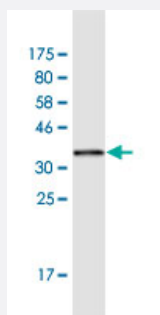
Size 100 ug

Applications



Immunofluorescence

Immunofluorescence of monoclonal antibody to HMGA1 on HeLa cell .
[antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (37.51 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant HMGA1.
Immunogen	HMGA1 (NP_665906.1, 1 a.a. ~ 107 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MSESSSKSSQPLASKQEKGTEKRGRGRPRKQPPVSPGTALVGSQKEPSEVPTPKRPRGRPK GSKNKGA AKTRKTTTTPGRKPRGRPKKLEKEEEEGISQESSEEEQ
Host	Mouse
Reactivity	Human
Isotype	IgG2b Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (37.51 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 HMGA1 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — HMGA1

Entrez GeneID

[3159](#)

GeneBank Accession#

[NM_145899](#)

Protein Accession#

[NP_665906.1](#)

Gene Name

HMGA1

Gene Alias

HMG-R, HMGA1A, HMGY, MGC12816, MGC4242, MGC4854

Gene Description

high mobility group AT-hook 1

Omim ID

[600701](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes a non-histone protein involved in many cellular processes, including regulation of inducible gene transcription, integration of retroviruses into chromosomes, and the metastatic progression of cancer cells. The encoded protein preferentially binds to the minor groove of A+T-rich regions in double-stranded DNA. It has little secondary structure in solution but assumes distinct conformations when bound to substrates such as DNA or other proteins. The encoded protein is frequently acetylated and is found in the nucleus. At least seven transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

OTTHUMP00000016222|OTTHUMP00000016223|OTTHUMP00000016224|OTTHUMP00000039618|high-mobility group (nonhistone chromosomal) protein isoforms I and Y|nonhistone chromosomal high-mobility group protein HMG-I/HMG-Y

Publication Reference

- [Furospinosulin-1, marine spongean furanosesterterpene, suppresses the growth of hypoxia-adapted cancer cells by binding to transcriptional regulators p53nrb and LEDGF/p75.](#)

Arai M, Kawachi T, Kotoku N, Nakata C, Kamada H, Tsunoda S, Tsutsumi Y, Endo H, Inoue M, Sato H, Kobayashi M.
ChemBioChem 2016 Jan; 17(2):181.

Application: WB-Ce, Human, DU145 cells

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Tobacco Use Disorder](#)