HMGA1 rabbit monoclonal antibody

Catalog # H00003159-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human HMGA1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human HMGA1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human HMGA1 peptide by ELISA and mammalian transfected lysate by W estern Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — HMGA1

Entrez GeneID	3159
GeneBank Accession#	HMGA1
Gene Name	HMGA1
Gene Alias	HMG-R, HMGA1A, HMGIY, 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 p rogression of cancer cells. The encoded protein preferentially binds to the minor groove of A+T-ri ch regions in double-stranded DNA. It has little secondary structure in solution but assumes distin ct conformations when bound to substrates such as DNA or other proteins. The encoded protein i s 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|OTTHUMP000000 39618|high-mobility group (nonhistone chromosomal) protein isoforms I and Y|nonhistone chromo somal high-mobility group protein HMG-I/HMG-Y

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Tobacco Use Disorder