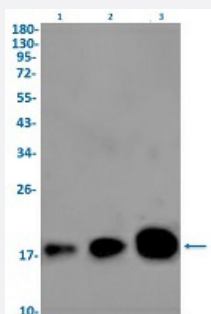


RecomAb™

HMGA1 recombinant monoclonal antibody, clone R01-9D3

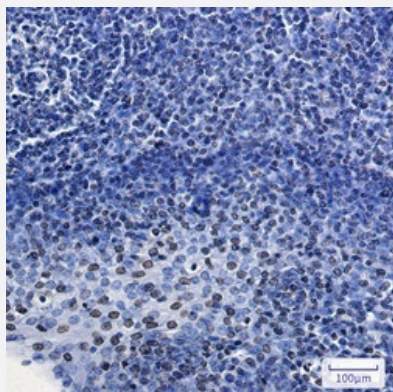
Catalog # RAB02215 Size 100 uL

Applications



Western Blot

Western Blot analysis of Lane 1: HeLa, Lane 2: C6 and Lane 3: MCF-7 lysates with HMGA1 recombinant monoclonal antibody, clone R01-9D3 (Cat # RAB02215).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil with HMGA1 recombinant monoclonal antibody, clone R01-9D3 (Cat # RAB02215). High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human HMGA1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human HMGA1.
Theoretical MW (kDa)	Calculated MW: 12 kD
Reactivity	Human, Mouse

Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence(1:50-1:200) Immunohistochemistry (1:50-1:100) Immunoprecipitation(1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at -20 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of Lane 1: Hela, Lane 2: C6 and Lane 3: MCF-7 lysates with HMGA1 recombinant monoclonal antibody, clone R01-9D3 (Cat # RAB02215).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil with HMGA1 recombinant monoclonal antibody, clone R01-9D3 (Cat # RAB02215). High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

- Immunohistochemistry

- Immunofluorescence

- Immunoprecipitation

Gene Info — HMGA1

Entrez GeneID [3159](#)

Protein Accession# [P17096](#)

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	<p>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]</p>
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

Disease

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