
Summary

Production Name	HMG4 Rabbit Monoclonal Antibody
Description	Recombinant Rabbit Monoclonal antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Purification	Affinity Purified

Immunogen

Gene Name	HMGB3
Alternative Names	HMG4; HMG-4; HMG2A; HMG-2a
Gene ID	3149
SwissProt ID	O15347

Application

Dilution Ratio	WB: 1/500-1/1000
Molecular Weight	Calculated MW: 23 kDa; Observed MW: 23 kDa

Background

Product Name: HMG4 Rabbit Monoclonal Antibody
Catalog #: AMRe02097

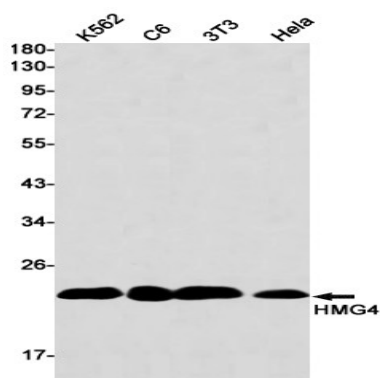


Multifunctional protein with various roles in different cellular compartments. May act in a redox sensitive manner. Associates with chromatin and binds DNA with a preference to non-canonical DNA structures such as single-stranded DNA. Can bent DNA and enhance DNA flexibility by looping thus providing a mechanism to promote activities on various gene promoters . Proposed to be involved in the innate immune response to nucleic acids by acting as a cytoplasmic promiscuous immunogenic DNA/RNA sensor . Negatively regulates B-cell and myeloid cell differentiation. In hematopoietic stem cells may regulate the balance between self-renewal and differentiation. Involved in negative regulation of canonical Wnt signaling .

Research Area

Epigenetics and Nuclear Signaling

Image Data



Western blot analysis of HMG4 in K562, C6, 3T3, HeLa lysates using HMG4 antibody.

Note

For research use only.