

## HMG4 Rabbit mAb

Catalog No: #52338

Package Size: #52338-1 50ul #52338-2 100ul

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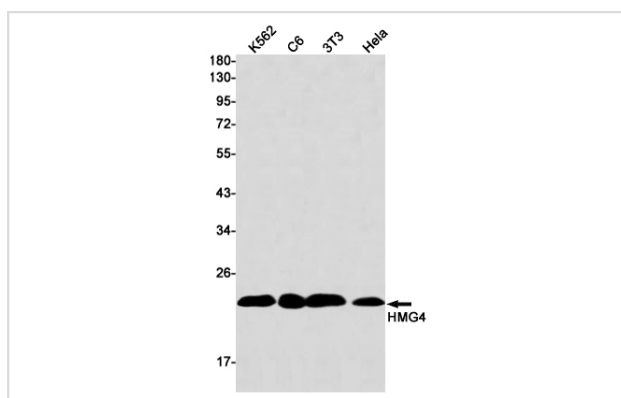
## Description

Product Name	HMG4 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S01-9C9
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human HMG4
Conjugates	Unconjugated
Modification	Unmodification
Other Names	HMG4; HMG-4; HMG2A; HMG-2a
Accession No.	Swiss-Prot:O15347GeneID:3149
Uniprot	O15347
GeneID	3149
Calculated MW	Calculated MW: 23 kDa; Observed MW: 23 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Application Details

WB: 1/2000-1/10000

## Images



Western blot detection of HMG4 in K562,C6,3T3,Hela cell lysates using HMG4 Rabbit mAb(1:1000 diluted).Predicted band size:23kDa.Observed band size:23kDa.

## Background

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Swiss-Prot Acc.O15347.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 .

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Note: This product is for in vitro research use only