

## HMG4 monoclonal antibody

Catalog: MB11040

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

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 bend 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.

### Product:

50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA

### Molecular Weight:

Calculated MW: 23 kDa; Observed MW: 23 kDa

### Swiss-Prot:

O15347

### Purification&Purity:

Affinity Purified

### Applications:

WB: 1/500-1/1000

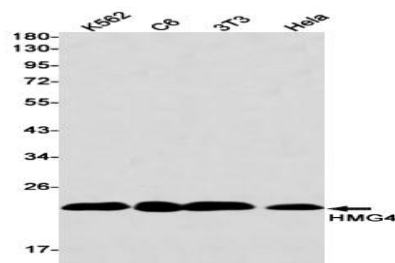
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Isotype:

IgG

### DATA:



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

### Note:

For research use only, not for use in diagnostic procedure.

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