

HMG4 Rabbit mAb

Catalog # AP76535

Product Information

Application	WB, IHC-P, IP
Primary Accession	O15347
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	22980

Additional Information

Gene ID	3149
Other Names	HMGB3
Dilution	WB~~1/500-1/1000 IHC-P~~N/A IP~~1/20
Format	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.

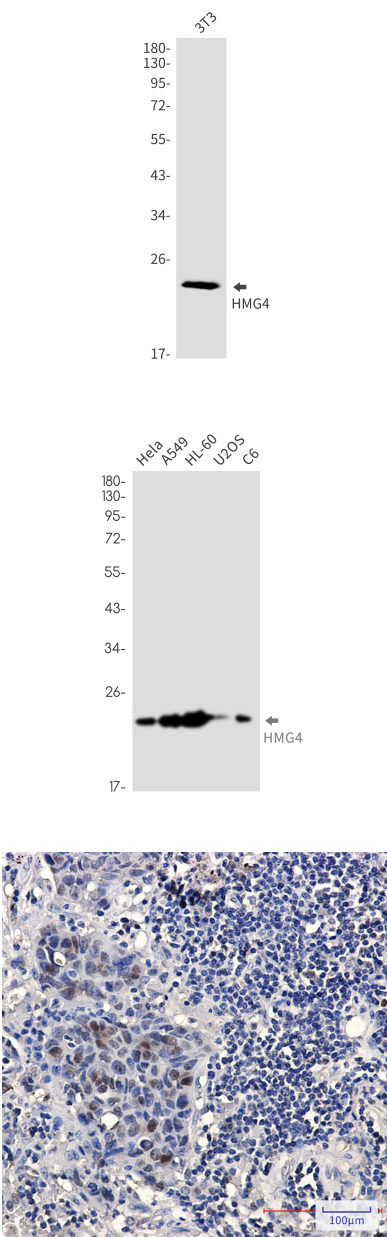
Protein Information

Name	HMGB3
Synonyms	HMG2A, HMG4
Function	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 for 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 (By similarity). Proposed to be involved in the innate immune response to nucleic acids by acting as a cytoplasmic promiscuous immunogenic DNA/RNA sensor (By similarity). 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 (By similarity).
Cellular Location	Nucleus {ECO:0000250 UniProtKB:P40618, ECO:0000255 PROSITE-ProRule:PRU00267}. Chromosome Cytoplasm {ECO:0000250 UniProtKB:O54879}

Tissue Location

Expressed predominantly in placenta.

Images



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