



HMG-1 (Acetyl Lys3) mouse mAb

Catalog No	BYmab-00907
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	HMGB1 HMG1
Protein Name	HMG-1 (Acetyl Lys3)
Immunogen	Synthesized peptide derived from human HMG-1 (Acetyl Lys3)
Specificity	This antibody detects endogenous levels of Human,Mouse,Rat HMG-1 (Acetyl Lys3)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	High mobility group protein B1 (High mobility group protein 1;HMG-1)
Observed Band	about 30kd
Cell Pathway	Nucleus . Chromosome . Cytoplasm . Secreted . Cell membrane ; Peripheral membrane protein ; Extracellular side . Endosome . Endoplasmic reticulum-Golgi intermediate compartment . In basal state predominantly nuclear. Shuttles between the cytoplasm and the nucleus (PubMed:12231511, PubMed:17114460). Translocates from the nucleus to the cytoplasm upon autophagy stimulation (PubMed:20819940). Release from macrophages in the extracellular milieu requires the activation of NLRC4 or NLRP3 inflammasomes (By similarity). Passively released to the extracellular milieu from necrotic cells by diffusion, involving the fully reduced HGMB1 which subsequently gets oxidized (PubMed:19811284). Also released from apoptotic cells (PubMed:16855214, PubMed:18631454). Active secretion from a variety of immune a
Tissue Specificity	Ubiquitous. Expressed in platelets (PubMed:11154118).
Function	negative regulation of transcription from RNA polymerase II promoter, DNA metabolic process, DNA replication, DNA-dependent DNA replication, DNA

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ligation, DNA unwinding during replication, DNA repair, base-excision repair, base-excision repair, DNA ligation, DNA recombination, chromatin organization, regulation of transcription, DNA-dependent, regulation of transcription from RNA polymerase II promoter, anti-apoptosis, response to DNA damage stimulus, negative regulation of biosynthetic process, negative regulation of macromolecule biosynthetic process, negative regulation of macromolecule metabolic process, negative regulation of gene expression, regulation of cell death, negative regulation of transcription, negative regulation of transcriptional preinitiation complex assembly, negative regulation of cellular biosynthetic process, DNA geometric change, DNA duplex unwinding, cellular respo

Background

function: Binds preferentially single-stranded DNA and unwinds double stranded DNA., similarity: Belongs to the HMGB family., similarity: Contains 2 HMG box DNA-binding domains.,

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

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