

Mouse High-Mobility Group Box 1 Monoclonal Antibody | anti-HMGB1 antibody

Mouse Anti Human High-Mobility Group Box 1

CATALOG # AAA37956	HOST Mouse	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

High-Mobility Group Box 1; Monoclonal Antibody; Mouse Anti Human High-Mobility Group Box 1; HMG1; HMG3; SBP-1; Amphoterin; HMGB1; High-Mobility Group Box 1.; anti-HMGB1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG _{2b} heavy chain and kappa light chain
Clone Number	PJ2E1AT
Purity/Purification	HMGB1 antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
Form/Format	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide. Appearance: Sterile filtered colorless solution.
Concentration	1mg/ml (varies by lot)
Sequence Length	215
Applicable Applications for anti-HMGB1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Anti-human HMGB1 mAb is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with recombinant human HMGB1 amino acids 1-215 purified from High Five (Trichoplusia ni) insect cells.
Preparation and Storage	For periods up to 1 month store at 4 degree C, for longer periods of time, store at -20 degree C. Prevent freeze thaw cycles. 12 months at -20 degree C. 1 month at 4 degree C.

ADDITIONAL INFORMATION

Related Product Information for anti-HMGB1 antibody	Introduction: High-mobility group box 1 protein (HMGB1), previously known as HMG-1 or amphoterin, is a member of the high mobility group box family of non-histone chromosomal proteins. Human HMGB1 is expressed as a 30 kDa, 215 amino acid (aa) single chain polypeptide containing three domains: two N-terminal globular, 70 aa positively charged DNA-binding domains (HMG boxes A and B), and a negatively charged 30 aa C-terminal region that contains only Asp and Glu. 4, 5 Residues 27 - 43 and 178 - 184 contain a NLS. Posttranslational modifications of the molecule have been reported, with acetylation occurring on as many as 17 lysine residues. HMGB1 is expressed at high levels in almost all cells. It was originally discovered as a nuclear protein that could bend DNA. Such bending stabilizes nucleosome formation and regulates the expression of select genes upon recruitment by DNA binding proteins.
Product Categories/Family for anti-HMGB1 antibody	Monoclonal/Polyclonal Antibodies ; Monoclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504425
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NCBI GeneID	3146
NCBI Accession #	NP_002119.1
NCBI GenBank Nucleotide #	NM_002128.4
Molecular Weight	24,894 Da
NCBI Official Full Name	high mobility group protein B1
NCBI Official Synonym Full Names	high mobility group box 1
NCBI Official Symbol	HMGB1
NCBI Official Synonym Symbols	HMG1; HMG3; SBP-1
NCBI Protein Information	high mobility group protein B1; Amphoterin; HMG-1; Sulfoglucuronyl carbohydrate binding protein; high mobility group protein 1; high-mobility group (nonhistone chromosomal) protein 1; high-mobility group box 1
UniProt Protein Name	High mobility group protein B1
UniProt Gene Name	HMGB1
UniProt Synonym Gene Names	HMG1; HMG-1
UniProt Entry Name	HMGB1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/high-mobility-group-box-1-antibody-clone-pj2e1at-immunohistochemistry-western-blot-elisa/37956>