

Rabbit HMGB1 Monoclonal Antibody | anti-HMGB1 antibody

Recombinant HMGB1 Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA178772	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

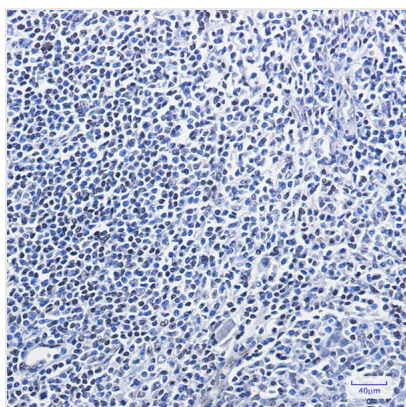
PRODUCT SYNONYMS

HMGB1; Monoclonal Antibody; Recombinant HMGB1 Monoclonal Antibody; Amphoterin; Chromosomal protein; nonhistone; HMG1; DKFZp686A04236; High mobility group 1; High mobility group box 1; High mobility group protein 1; High mobility group protein B1; high-mobility group (nonhistone chromosomal) protein 1; HMG-1; HMG3; HMGB 1; NONHISTONE CHROMOSOMAL PROTEIN HMG1; SBP 1; Sulfoglucuronyl carbohydrate binding protein; anti-HMGB1 antibody

PRODUCT SPECIFICATIONS

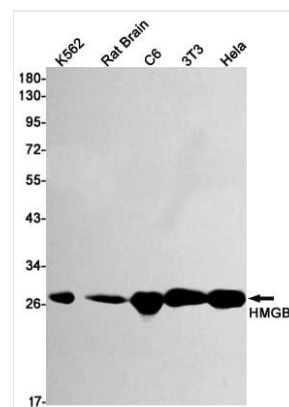
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG
Clone Number	R07-2D8
Purity/Purification	Affinity Purified
Form/Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Concentration	300ug/mL (varies by lot)
Applicable Applications for anti-HMGB1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human HMGB1
Research Area	Cancer, Epigenetics and Nuclear Signaling
Preparation and Storage	Storage: -20 degree C/One year. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of HMGB1 in paraffin-embedded Human tonsil using HMGB1 Rabbit mAb at dilution 1:100



WB (Western Blot)

Western blot detection of HMGB1 in K562, Rat Brain, C6, 3T3, HeLa cell lysates using HMGB1 Rabbit mAb(1:1000 diluted). Predicted band size: 25kDa. Observed band size: 25kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-HMGB1 antibody	High mobility group (HMG) proteins 1 and 2 are ubiquitous non-histone components of chromatin. Evidence suggests that the binding of HMG proteins to DNA induces alterations in the DNA architecture including DNA bending and unwinding of the helix. HMG proteins synergize with Oct-2, members of the NFB family, ATF-2 and c-Jun to activate transcription. Other studies indicate that phosphorylation of HMG protein is required to stimulate the transcriptional activity of the protein. Human HMG-1 and HMG-2 both contain two DNA-binding domains, termed HMG boxes. HMG proteins bind single-stranded DNA but induce conformational changes in double-stranded DNA alone.
Product Categories/Family for anti-HMGB1 antibody	Antibodies ; Primary Antibodies ; Recombinant Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504425
NCBI GeneID	3146
NCBI Accession #	NP_002119.1
NCBI GenBank Nucleotide #	NM_002128.4
UniProt Accession #	P09429 ; Q14321 ; Q5T7C3 ; Q6IBE1 ; A5D8W9
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; HMG-1; Amphoterin; high-mobility group box 1; high mobility group protein 1; Sulfoglucuronyl carbohydrate binding protein; high-mobility group (nonhistone chromosomal) protein 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/hmgb1-antibody-clone-r07-2d8-immunohistochemistry-western-blot-elisa/178772>