

Mouse HMGB1 Monoclonal Antibody | anti-HMGB1 antibody

HMGB1 Antibody (C-term) (Ascites)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283496	Mouse	Human, mouse (Predicted Reactivity: Bovine, Hamster, Monkey, Pig, Rat)	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

HMGB1; Monoclonal Antibody; HMGB1 Antibody (C-term) (Ascites); High mobility group protein B1; High mobility group protein 1; HMG-1; HMG1; anti-HMGB1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, mouse (Predicted Reactivity: Bovine, Hamster, Monkey, Pig, Rat)
Clonality	Monoclonal
Isotype	IgM
Clone Number	393CT23.1.4
Specificity	This HMGB1 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 152-180 amino acids from the C-terminal region of human HMGB1.
Form/Format	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.
Sequence Positions	152-180
Sequence Length	215
Applicable Applications for anti-HMGB1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

HMGB1 Antibody (C-term) (Ascites) (AAA283496) immunohistochemistry analysis in formalin fixed and paraffin embedded human colon carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of HMGB1 Antibody (C-term) (Ascites) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

HMGB1 Antibody (C-term) western blot analysis in mouse brain tissue lysates (35ug/lane). This demonstrates the HMGB1 antibody detected the HMGB1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-HMGB1 antibody	DNA binding proteins that associates with chromatin and has the ability to bend DNA. Binds preferentially single-stranded DNA. Involved in V(D)J recombination by acting as a cofactor of the RAG complex. Acts by stimulating cleavage and RAG protein binding at the 23 bp spacer of conserved recombination signal sequences (RSS). Heparin-binding protein that has a role in the extension of neurite-type cytoplasmic processes in developing cells (By similarity).
References	Yujiri, T., et al. Eur. J. Haematol. 85(4):366-367(2010) Tang, D., et al. Oncogene 29(38):5299-5310(2010) He, X.C., et al. Zhonghua Gan Zang Bing Za Zhi 18(5):361-365(2010) Bao, G., et al. World J Surg Oncol 8 (1), 52 (2010) : Naumnik, W., et al. Folia Histochem. Cytobiol. 47(4):703-709(2009)

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	24894
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
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-393ct23-1-4-western-blot-immunohistochemistry-elisa/283496>