

Rabbit anti-Human, Mouse High Mobility Group Protein 1 (HMG1) Polyclonal Antibody | anti-HMG1 antibody

Polyclonal Antibody to High Mobility Group Protein 1 (HMG1)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA20189	Rabbit	Human, Mouse	Immunocytochemistry, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

High Mobility Group Protein 1 (HMG1); Polyclonal Antibody; Polyclonal Antibody to High Mobility Group Protein 1 (HMG1); anti-HMG1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody is a rabbit polyclonal antibody raised against HMG1. It has been selected for its ability to recognize HMG1 in immunohistochemical staining and western blotting.
Purity/Purification	Affinity Chromatography
Form/Format	Supplied as solution form in PBS, pH7.4, containing 0.02% Na ₃ , 50% glycerol.
Concentration	500ug/mL (varies by lot)
Sequence	Antigen: The target protein is fused with N-terminal His-Tag and its sequence is listed below. MG HHHHHHSGSE F-MGKGDPKK PRGKMSSYAF FVQTCREEHK KKHPDASVNF SEFSKKCSER WKTMSAKEKG KFEDMAKADK ARYEREMKTY IPPKGETKKK FKDPNAPKRP PSAFFLCSE YRPKIKGEHP GLSIGDVAKK LGEMWNNTAA DDKQPYEKKA AKLKEYEKD IAAYRAKGKP DAAKKGVVKA EKSKKKKEEE DDEEDEDEEE EEEEEDEDE EEDDDDE
Applicable Applications for anti-HMG1 antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Application Notes	Western blotting: 1:100-400 Immunocytochemistry in formalin fixed cells: 1:100-500 Immunohistochemistry in formalin fixed frozen section: 1:100-500 Immunohistochemistry in paraffin section: 1:50-200 Enzyme-linked Immunosorbent Assay: 1:100-200
Immunogen	Recombinant HMG1 (Met1~Glu215) expressed in E.coli.
Cross Reactivity	Human, Mouse
Preparation and Storage	Store at 4 degree C for frequent use. Stored at -20 degree C to -80 degree C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.

IMAGES



Knockout Validation

Knockout Validation: Lane 1: Wild-type HepG2 cell lysate;;Lane 2: HMG1 knockout HepG2 cell lysate;;Predicted MW: 25kDa ;Observed MW: 30kDa;Primary Ab: 1ug/ml Rabbit Anti-Mouse HMG1 Antibody;Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody;



IHC (Immunohistochemistry)

DAB staining on fromalin fixed paraffin-embedded Kidney tissue



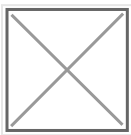
WB (Western Blot)

Western Blot: Sample: Recombinant protein.



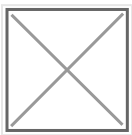
WB (Western Blot)

Western Blot: Sample: Human HepG2 cell lysate; Primary Ab: 1ug/ml Rabbit Anti-Mouse HMG1 Antibody;Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody;



WB (Western Blot)

Western Blot: Sample: Mouse Cerebrum lysate; Primary Ab: 1ug/ml Rabbit Anti-Mouse HMG1 Antibody;Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody;



WB (Western Blot)

Western Blot: Sample: Mouse Kidney lysate; Primary Ab: 1ug/ml Rabbit Anti-Mouse HMG1 Antibody;Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody;

ADDITIONAL INFORMATION

Product Categories/Family for anti-HMG1 antibody	Knock-Out Validation Antibody
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NCBI AND UNIPROT INFORMATION

NCBI GI #	926657659
NCBI GeneID	15289
NCBI Accession #	NP_001300823.1
NCBI GenBank Nucleotide #	NM_001313894.1
UniProt Accession #	P63158; P07155; P27109; P27428
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	p30; Hmg1; HMG-1; 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	Hmg-1; Hmg1; HMG-1

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/polyclonal/high-mobility-group-protein-1-hmg1-antibody-immunocytochemistry-immunohistochemistry-western-blot-elisa/20189>