

Rabbit anti-Human High Mobility Group Protein 1 Polyclonal Antibody | anti-HMG1 antibody

Polyclonal Antibody to High Mobility Group Protein 1 (HMG1)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA20890	Rabbit	Human	Western Blot, Immunocytochemistry, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
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	Liquid
Concentration	500ug/mL (varies by lot)
Applicable Applications for anti-HMG1 antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), ELISA
Application Notes	Western blotting: 0.5-2ug/ml Immunocytochemistry in formalin fixed cells: 5-20ug/ml Immunohistochemistry in formalin fixed frozen section: 5-20ug/ml Immunohistochemistry in paraffin section: 5-20ug/ml Enzyme-linked Immunosorbent Assay: 0.05-2ug/ml Optimal working dilutions must be determined by end user.
Fragment	HMG1 (Pro9~Arg163)
Organism Species	Homo sapiens (Human)
Cross Reactivity	Human
Conjugate	No Conjugate
Immunogen	Recombinant HMG1 (Pro9~Arg163) expressed in E Coli.
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 HeLa cell lysate; Lane 2: HMG1 knockout HeLa cell lysate; Predicted MW: 25kd Observed MW: 30kd Primary Ab: 5ug/ml Rabbit Anti-Human HMG1 Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Human.



WB (Western Blot)

Western Blot: Sample: Lane1: Human HeLa Cells; Lane2: Human HepG2 Cells; Lane3: Human Jurkat Cells.

ADDITIONAL INFORMATION

Product Categories/Family for anti-HMG1 antibody	Knock-Out Validation Antibody
--	-------------------------------

NCBI AND UNIPROT INFORMATION

NCBI GI #	926459555
NCBI GeneID	3146
NCBI Accession #	NP_001300821.1
NCBI GenBank Nucleotide #	NM_001313892.1
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; 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	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.