

Rabbit HMGA1 Polyclonal Antibody | anti-HMGA1 antibody

HMGA1 Antibody (C-term)

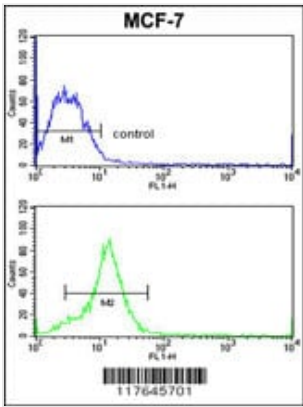
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287238	Rabbit	Human (Predicted Reactivity: Hamster, Mouse, Rat)	ELISA, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

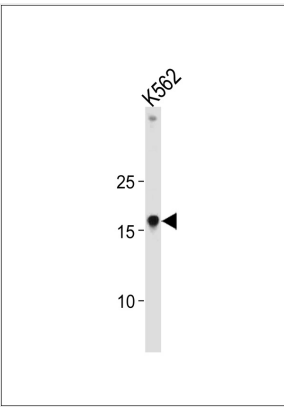
HMGA1; Polyclonal Antibody; HMGA1 Antibody (C-term); High mobility group protein HMG-I/HMG-Y; HMG-I(Y); High mobility group AT-hook protein 1; High mobility group protein A1; High mobility group protein R; HMG1Y; anti-HMGA1 antibody

PRODUCT SPECIFICATIONS

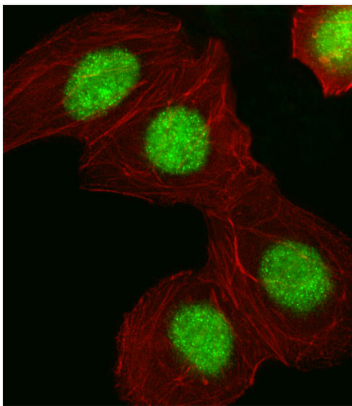
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Hamster, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HMGA1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 64-93 amino acids from the C-terminal region of human HMGA1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	64-93
Sequence Length	179
Applicable Applications for anti-HMGA1 antibody	ELISA, WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
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.



FCM/FACS (Flow Cytometry)
HMGA1 Antibody (C-term) flow cytometric analysis of MCF-7 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
HMGA1 Antibody (C-term) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the HMGA1 antibody detected the HMGA1 protein (arrow).



IF (Immunofluorescence)
Fluorescent image of A549 cell stained with HMGA1 Antibody (C-term). A549 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with HMGA1 primary antibody (1:25, 1 h at 37 degree). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 degree). Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37 degree). HMGA1 immunoreactivity is localized to Nucleus significantly.

ADDITIONAL INFORMATION

Related Product Information for anti-HMGA1 antibody	HMGA1 encodes a non-histone protein involved in many cellular processes, including regulation of inducible gene transcription, integration of retroviruses into chromosomes, and the metastatic progression of cancer cells. The encoded protein preferentially binds to the minor groove of A+T-rich regions in double-stranded DNA. It has little secondary structure in solution but assumes distinct conformations when bound to substrates such as DNA or other proteins. The encoded protein is frequently acetylated and is found in the nucleus.
Product Categories/Family for anti-HMGA1 antibody	Crown Antibodies; Cancer; Neuroscience
References	Mu,G., et.al., Hum. Pathol. 41 (4), 493-502 (2010) Kim,J.J., et.al., J. Hum. Genet. 55 (1), 27-31 (2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504433
NCBI GeneID	3159
NCBI Accession #	NP_002122.1; NP_665906.1; NP_665908.1; NP_665909.1; NP_665910.1; NP_665912.1

NCBI GenBank Nucleotide #	NM_002131.3
UniProt Accession #	P17096 ; P10910 ; Q5T6U9 ; Q9UKB0
Molecular Weight	11676
NCBI Official Full Name	high mobility group protein HMG-I/HMG-Y isoform b
NCBI Official Synonym Full Names	high mobility group AT-hook 1
NCBI Official Symbol	HMGA1
NCBI Official Synonym Symbols	HMG-R; HMGIY; HMGA1A
NCBI Protein Information	high mobility group protein HMG-I/HMG-Y
UniProt Protein Name	High mobility group protein HMG-I/HMG-Y
UniProt Gene Name	HMGA1
UniProt Synonym Gene Names	HMGIY; HMG-I(Y); High mobility group protein A1
UniProt Entry Name	HMGA1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/hmga1-antibody-western-blot-immunofluorescence-flow-cytometry-elisa/287238>