

Rabbit HMGA2 Polyclonal Antibody | anti-HMGA2 antibody

HMGA2 Antibody (C-term)

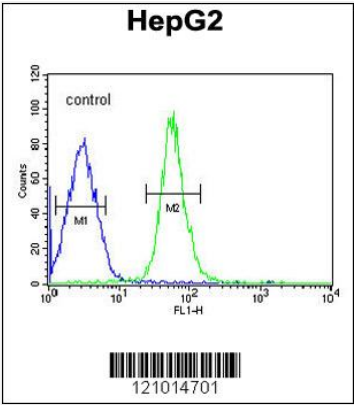
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289806	Rabbit	Human (Predicted Reactivity: Mouse)	Western Blot, ELISA, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

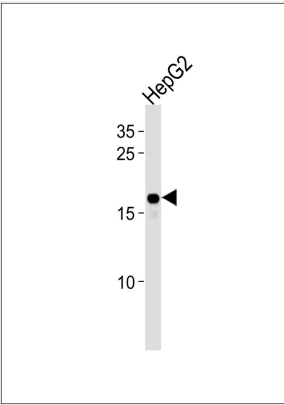
HMGA2; Polyclonal Antibody; HMGA2 Antibody (C-term); High mobility group protein HMGI-C; High mobility group AT-hook protein 2; HMGIC; anti-HMGA2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HMGA2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 64-92 amino acids from the C-terminal region of human HMGA2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	64-92
Sequence Length	90
Applicable Applications for anti-HMGA2 antibody	WB (Western Blot), ELISA, 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)
HMGA2 Antibody (C-term) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
HMGA2 Antibody (C-term) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the HMGA2 antibody detected the HMGA2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-HMGA2 antibody	This gene encodes a protein that belongs to the non-histone chromosomal high mobility group (HMG) protein family. HMG proteins function as architectural factors and are essential components of the enhancesome. This protein contains structural DNA-binding domains and may act as a transcriptional regulating factor. Identification of the deletion, amplification, and rearrangement of this gene that are associated with myxoid liposarcoma suggests a role in adipogenesis and mesenchymal differentiation. A gene knock out study of the mouse counterpart demonstrated that this gene is involved in diet-induced obesity. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
Product Categories/Family for anti-HMGA2 antibody	Crown Antibodies; Cancer; Developmental Biology; Signal Transduction
References	Mu, G., et al. Hum. Pathol. 41(4):493-502(2010) Pillas, D., et al. PLoS Genet. 6 (2), E1000856 (2010) : Yang, T.L., et al. Ann. Hum. Genet. 74(1):11-16(2010) Wei, J.J., et al. Am. J. Surg. Pathol. 34(1):18-26(2010) Tay, Y., et al. Stem Cell Rev 5(4):328-333(2009) Schwanbeck, R., et al. J. Biol. Chem. 275(3):1793-1801(2000) Chau, K.Y., et al. Nucleic Acids Res. 23(21):4262-4266(1995) Schoenmakers, E.F., et al. Nat. Genet. 10(4):436-444(1995) Ashar, H.R., et al. Cell 82(1):57-65(1995) Schoenmakers, E.F., et al. Genes Chromosomes Cancer 11(2):106-118(1994) Manfioletti, G., et al. Nucleic Acids Res. 19(24):6793-6797(1991)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504431
NCBI GeneID	8091
NCBI Accession #	NP_003474.1; NP_003475.1
NCBI GenBank Nucleotide #	NM_003483.4
UniProt Accession #	P52926; Q1M182; Q1M185; Q1M186; Q1M187; Q1M188; E7EP85; E7EWA2
Molecular Weight	11832

NCBI Official Full Name	high mobility group protein HMGI-C isoform a
NCBI Official Synonym Full Names	high mobility group AT-hook 2
NCBI Official Symbol	HMGA2
NCBI Official Synonym Symbols	BABL; LIPO; HMGIC; HMGI-C; STQTL9
NCBI Protein Information	high mobility group protein HMGI-C
UniProt Protein Name	High mobility group protein HMGI-C
UniProt Gene Name	HMGA2
UniProt Synonym Gene Names	HMGIC
UniProt Entry Name	HMGA2_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/polyclonal/hmga2-antibody-western-blot-flow-cytometry-elisa/289806>