

Rabbit HMGA2 Polyclonal Antibody | anti-HMGA2 antibody

HMGA2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329387	Rabbit	Human, Mouse Predicted Reactivity: Pig (80%), Bovine (100%), Sheep (100%)	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

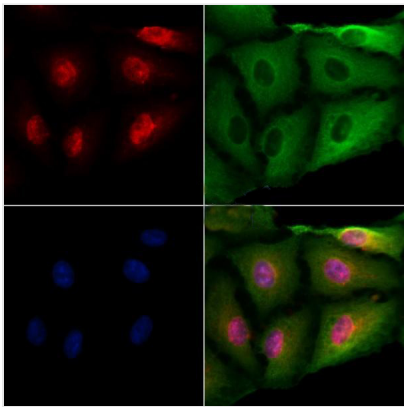
PRODUCT SYNONYMS

HMGA2; Polyclonal Antibody; HMGA2 Antibody; HMGA 2; BABL; High mobility group (nonhistone chromosomal) protein isoform I C; High mobility group (nonhistone chromosomal) protein isoform IC; High Mobility Group AT hook 2; High Mobility Group AT hook protein 2; High mobility group AT-hook protein 2; High mobility group protein HMGI C; High mobility group protein HMGI-C; High mobility group protein HMGIC; High mobility group protein I; isoform C; HMGA2_HUMAN; HMGI C; HMGIC; LIPO; Non histone chromosomal architectural protein HMGI C; Non histone chromosomal architectural protein HMGIC; Pygmy; STQTL9; anti-HMGA2 antibody

PRODUCT SPECIFICATIONS

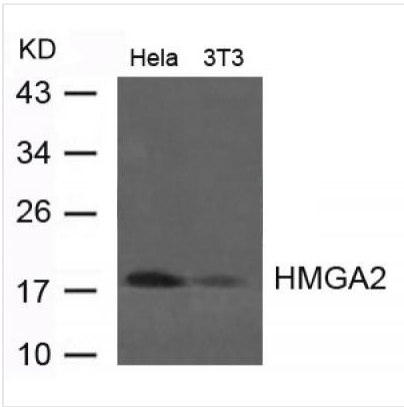
Host	Rabbit
Reactivity	Human, Mouse Predicted Reactivity: Pig (80%), Bovine (100%), Sheep (100%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	HMGA2 Antibody detects endogenous levels of total HMGA2.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-HMGA2 antibody	ELISA (Peptide ELISA), ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human HMGA2, corresponding to a region within C-terminal amino acids.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Regulated by cell cycle-dependent phosphorylation which alters its DNA binding affinity. Phosphorylated by NEK2 (By similarity).
Subunit Structure	Interacts with E4F1. Interacts with NEK2 (By similarity).
Similarity	Belongs to the HMGA family.
Subcellular Location	Nucleus.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

Staining A549 cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. Samples were then incubated with primary Ab(AF4069) and mouse anti-beta tubulin Ab(T0023) for 1 hour at 37 degree C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI (blue).



WB (Western Blot)

Western blot analysis of extract from HeLa and 3T3 cells using HMGA2 Antibody

ADDITIONAL INFORMATION

Related Product Information for anti-HMGA2 antibody	Functions as a transcriptional regulator. Functions in cell cycle regulation through CCNA2. Plays an important role in chromosome condensation during the meiotic G2/M transition of spermatocytes. Plays a role in postnatal myogenesis, is involved in satellite cell activation (By similarity). Functions as a transcriptional regulator. Functions in cell cycle regulation through CCNA2.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1708263
NCBI GeneID	8091
UniProt Accession #	P52926; Q1M182; Q1M185; Q1M186; Q1M187; Q1M188; E7EP85; E7EWA2
Molecular Weight	109
NCBI Official Full Name	High mobility group protein HMGI-C
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; High-mobility group protein HMGI-C; high-mobility group (nonhistone chromosomal) protein isoform I-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.