BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-HMGA1 Antibody (C-term)

Catalog Number: A01043-2

About HMGA1

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.

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Overview

Product Name	Anti-HMGA1 Antibody (C-term)
Reactive Species	Human
Description	Boster Bio Anti-HMGA1 Antibody (C-term) (Catalog # A01043-2). Tested in WB, IF, Flow Cytometry application(s). This antibody reacts with Human.
Application	Flow Cytometry, IF, WB
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P17096

Technical Details

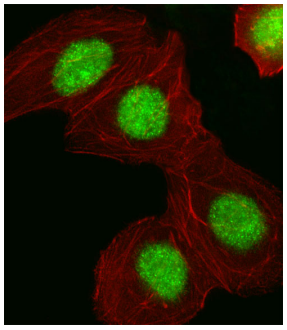
Immunogen	This HMGA1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 64-93 amino acids from the C-terminal region of human HMGA1.
Predicted Reactive Species	Hamster, Mouse, Rat
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).

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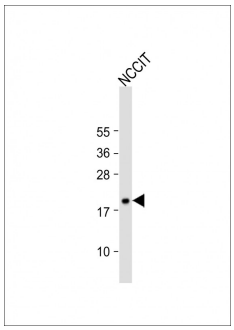
Cross Reactivity	No cross reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Purification	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Suggested Dilutions	IF: 1:10-1:50 WB: 1:1000 FC: 1:10-1:50

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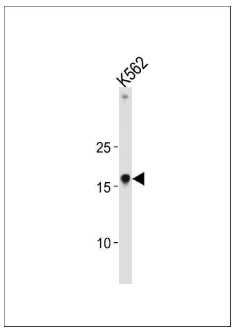
Anti-HMGA1 Antibody (C-term) (A01043-2) Images



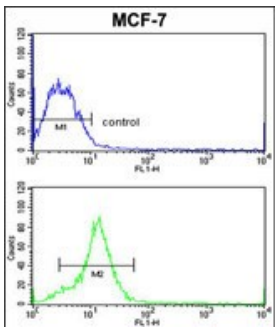
Fluorescent image of A549 cell stained with HMGA1 Antibody (C-term).A549 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with HMGA1 primary antibody (1:25, 1 h at 37°C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody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



Anti-HMGA1 Antibody (C-term) at 1:1000 dilution + NCCIT whole cell lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 12 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



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



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

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