

Datasheet for ABIN653050
anti-HMGA1 antibody (C-Term)[Go to Product page](#)

4 Images

1 Publication

Overview

Quantity:	400 µL
Target:	HMGA1
Binding Specificity:	AA 64-93, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HMGA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS)

Product 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.
Clone:	RB17645
Isotype:	Ig Fraction
Predicted Reactivity:	Ha, M, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	HMGA1
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Target Details

Alternative Name:	HMGA1 (HMGA1 Products)
Background:	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.
Molecular Weight:	11676
Gene ID:	3159
NCBI Accession:	NP_002122 , NP_665906 , NP_665908 , NP_665909 , NP_665910 , NP_665912
UniProt:	P17096
Pathways:	Nuclear Hormone Receptor Binding , Autophagy

Application Details

Application Notes:	IF: 1:10~50. WB: 1:1000. WB: 1:1000. FC: 1:10~50
Restrictions:	For Research Use only

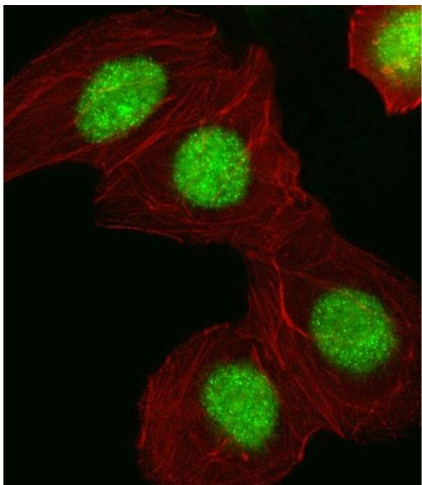
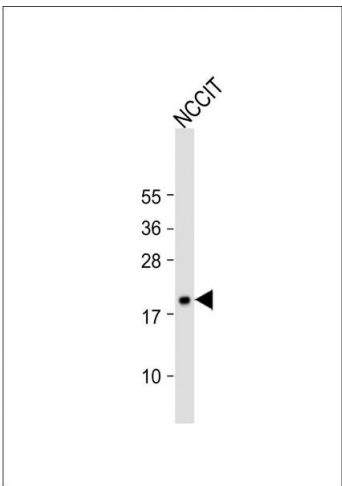
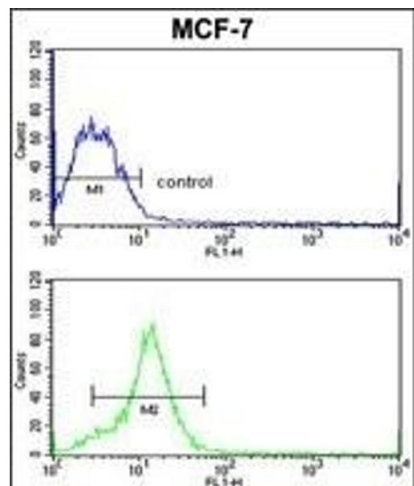
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

Product cited in:	Liu, Zhang, Li, Ding, Tu, Zhou, Qi, Chen, Sun: "Let-7a inhibits growth and migration of breast
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cancer cells by targeting HMGA1." in: **International journal of oncology**, Vol. 46, Issue 6, pp. 2526-34, (2015) ([PubMed](#)).



Flow Cytometry

Image 1. HMGA1 Antibody (C-term) (ABIN653050 and ABIN2842658) 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.

Western Blotting

Image 2. Anti-HMGA1 Antibody (C-term) at 1:1000 dilution + NCCIT whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 12 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.

Immunofluorescence

Image 3. Fluorescent image of A549 cell stained with HMGA1 Antibody (C-term) (ABIN653050 and ABIN2842658). 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 (7 units/mL, 1 h at

37 °C).HMGA1 immunoreactivity is localized to Nucleus significantly.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN653050.