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Datasheet for ABIN952761
anti-HMGA1 antibody (C-Term)

4 Images

Overview

Quantity:	0.4 mL
Target:	HMGA1
Binding Specificity:	AA 71-101, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HMGA1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 71~101 amino acids from the C-terminal region of Human HMGA1 / HMG1Y
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human and Mouse HMGA1 / HMG1Y (C-term).
Purification:	Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS

Target Details

Target:	HMGA1
Alternative Name:	HMGA1 / HMG1Y (HMGA1 Products)
Background:	HMGA1 encodes a non-histone protein involved in many cellular processes, including regulation

Target Details

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. Synonyms: High mobility group AT-hook protein 1, High mobility group protein A1, High mobility group protein HMG-I/HMG-Y, High mobility group protein R

Molecular Weight: 11676 Da

Gene ID: 3159

NCBI Accession: [NP_002122](#)

Pathways: [Nuclear Hormone Receptor Binding](#), [Autophagy](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS containing 0.09 % (W/V) Sodium Azide as preservative

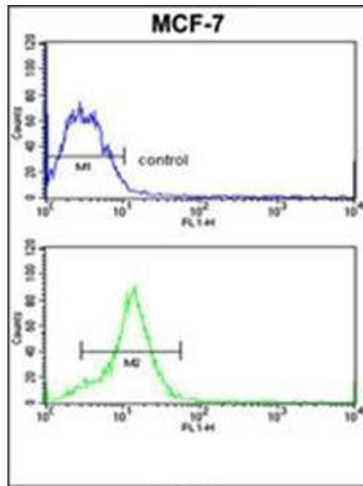
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

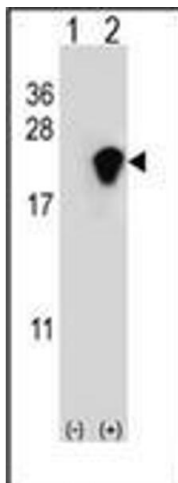
Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



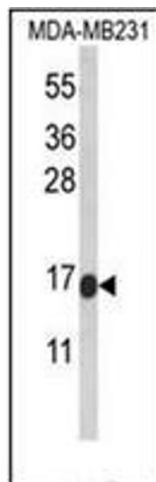
Flow Cytometry

Image 1. Flow cytometric analysis of MCF-7 cells using HMGA1 / HMGIY Antibody (C-term) CAAt.-No AP52059PU-N (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. Western blot analysis of HMGA1 (arrow) using HMGA1 / HMGIY Antibody (C-term) CAAt.-No AP52059PU-N. 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the HMGA1 gene.



Western Blotting

Image 3. Western blot analysis of HMGA1 / HMGIY Antibody (C-term) in MDA-MB231 cell line lysates (35ug/lane).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN952761.