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Datasheet for ABIN3031201  
**anti-HMGA2 antibody (AA 64-92)**

3 Images

Overview

Quantity:	0.4 mL
Target:	HMGA2
Binding Specificity:	AA 64-92
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HMGA2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	A portion of amino acids 64-92 from the human protein was used as the immunogen for this HMGA2 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse
Purification:	Antigen affinity purified

Target Details

Target:	HMGA2
Alternative Name:	HMGA2 ( <a href="#">HMGA2 Products</a> )
Background:	This gene encodes a protein that belongs to the non-histone chromosomal high mobility group

## Target Details

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(HMG) protein family. HMG proteins function as architectural factors and are essential components of the enhancosome. 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.

UniProt: [P52926](#)

Pathways: [Positive Regulation of Response to DNA Damage Stimulus](#)

## Application Details

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Application Notes: Titration of the HMGA2 antibody may be required due to differences in protocols and secondary/substrate sensitivity. Western blot: 1:1000, Flow Cytometry: 1:10-1:50

Restrictions: For Research Use only

## Handling

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Format: Liquid

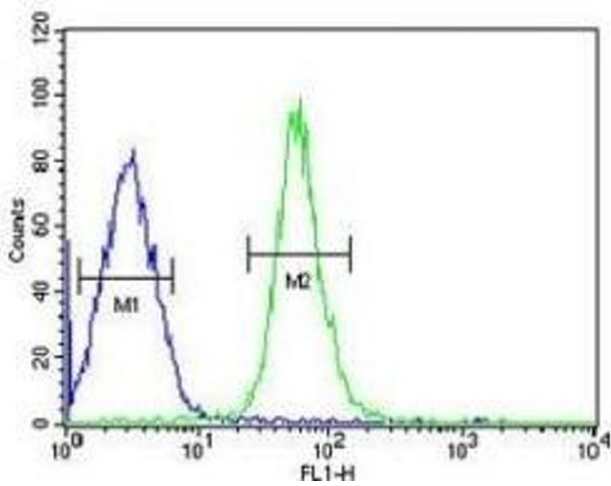
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

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

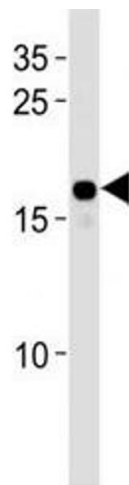
Storage: -20 °C

Storage Comment: Aliquot the HMGA2 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



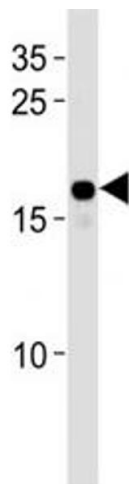
### Flow Cytometry

**Image 1.** HMG2 antibody flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control (left histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



### Western Blotting

**Image 2.** HMG2 antibody western blot analysis in HepG2 lysate.



### Western Blotting

**Image 3.** HMG2 antibody western blot analysis in HepG2 lysate.