

# Mouse Hmga2 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20905c

## Product Information

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<b>Application</b>	WB, IF, E
<b>Primary Accession</b>	<a href="#">P52927</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB51312
<b>Calculated MW</b>	11819

## Additional Information

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<b>Gene ID</b>	15364
<b>Other Names</b>	High mobility group protein HMGI-C, High mobility group AT-hook protein 2, Hmga2, Hmgic
<b>Target/Specificity</b>	This Mouse Hmga2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 72-105 amino acids from the C-terminal region of Mouse Hmga2.
<b>Dilution</b>	WB~~1:4000-1:16000 IF~~1:25 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	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.
<b>Precautions</b>	Mouse Hmga2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	Hmga2
<b>Synonyms</b>	Hmgic
<b>Function</b>	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 (PubMed:[27446912](#)). Positively regulates IGF2 expression through PLAG1 and in a PLAG1-independent manner (By similarity).

**Cellular Location**

Nucleus.

**Tissue Location**

Expressed in mitotic spermatogonia, meiotic spermatocytes, and postmeiotic round spermatids (at protein level) (PubMed:14668482). Expressed in embryonic myogenic progenitor cells (PubMed:27446912).

## Background

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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.

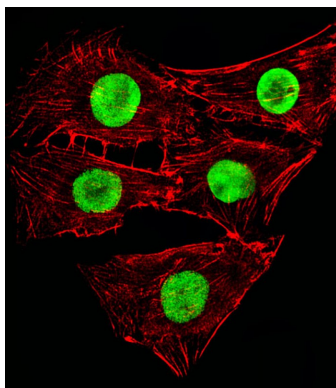
## References

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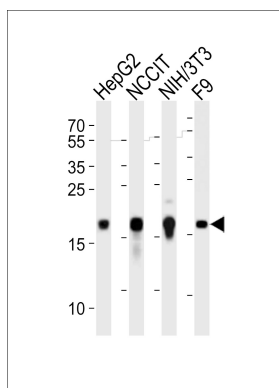
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Manfioletti G.,et al.Gene 167:249-253(1995).  
Zhou X.,et al.Nucleic Acids Res. 24:4071-4077(1996).  
Carninci P.,et al.Science 309:1559-1563(2005).  
Di Agostino S.,et al.Mol. Biol. Cell 15:1224-1232(2004).

## Images

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Fluorescent image of C2C12 cells stained with Mouse Hmga2 Antibody (C-term)(Cat#AP20905c). AP20905c was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).



Western blot analysis of lysates from HepG2, NCCIT, mouse NIH/3T3, mouse F9 cell line (from left to right), using Hmga2 Antibody (C-term)(Cat. #AP20905c). AP20905c was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.