

# Mouse Hmga2 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AW5379

## Product Information

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<b>Application</b>	IF, WB
<b>Primary Accession</b>	<a href="#">P52927</a>
<b>Other Accession</b>	<a href="#">P52926</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	11819
<b>Isotype</b>	Rabbit IgG
<b>Antigen Source</b>	HUMAN

## Additional Information

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<b>Gene ID</b>	15364
<b>Antigen Region</b>	72-105
<b>Other Names</b>	High mobility group protein HMGI-C, High mobility group AT-hook protein 2, Hmga2, Hmgic
<b>Dilution</b>	IF~~1:25 WB~~1:1000
<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>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: <a href="#">27446912</a> ). Positively regulates IGF2 expression through PLAG1 and in a PLAG1-independent manner (By similarity).
<b>Cellular Location</b>	Nucleus.
<b>Tissue Location</b>	Expressed in mitotic spermatogonia, meiotic spermatocytes, and postmeiotic round spermatids (at protein level) (PubMed:14668482). Expressed in embryonic myogenic progenitor cells (PubMed:27446912).

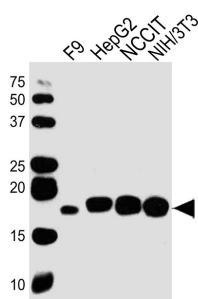
## Background

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## References

Manfioletti G.,et al.Nucleic Acids Res. 19:6793-6797(1991).  
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



All lanes : Anti-Hmga2 Antibody (C-term) at 1:1000 dilution Lane 1: F9 whole cell lysates Lane 2: HepG2 whole cell lysates Lane 3: NCCIT whole cell lysates Lane 4: NIH/3T3 whole cell lysates 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.



Fluorescent image of C2C12 cells stained with Mouse Hmga2 Antibody (C-term)(Cat#AW5379). AW5379 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).