

**Mouse Hmga2 Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AW5379****Specification**

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**Mouse Hmga2 Antibody (C-term) - Product Information**

Application	IF, WB,E
Primary Accession	<a href="#">P52927</a>
Other Accession	<a href="#">P52926</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	M=12;H=12,11,9,10 KDa
Isotype	Rabbit IgG
Antigen Source	HUMAN

**Mouse Hmga2 Antibody (C-term) - Additional Information****Gene ID** 15364**Antigen Region**  
72-105**Other Names**

High mobility group protein HMGI-C, High mobility group AT-hook protein 2, Hmga2, Hmgic

**Dilution**

IF~~1:25

WB~~1:1000

**Target/Specificity**

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.

**Format**

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.

**Storage**

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.

**Precautions**

Mouse Hmga2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**Mouse Hmga2 Antibody (C-term) - Protein Information**

**Name** Hmga2

**Synonyms** Hmgic

**Function**

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="http://www.uniprot.org/citations/27446912" target="\_blank">27446912</a>). Positively regulates IGF2 expression through PLAG1 and in a PLAG1-independent manner (By similarity).

**Cellular Location**

Nucleus.

**Tissue Location**

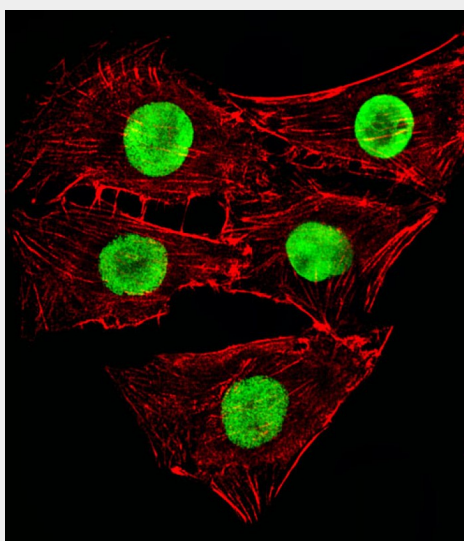
Expressed in mitotic spermatogonia, meiotic spermatocytes, and postmeiotic round spermatids (at protein level) (PubMed:14668482). Expressed in embryonic myogenic progenitor cells (PubMed:27446912).

**Mouse Hmga2 Antibody (C-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

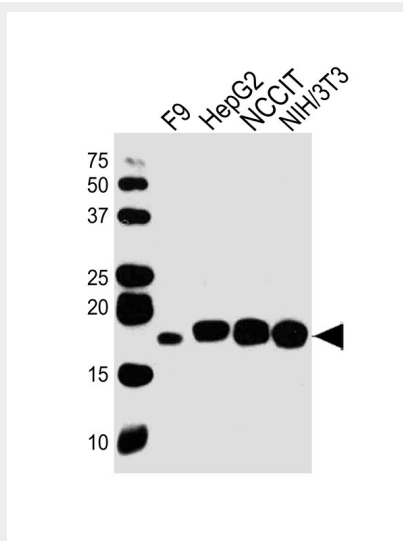
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Mouse Hmga2 Antibody (C-term) - Images**



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).



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.

#### **Mouse Hmga2 Antibody (C-term) - Background**

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.

#### **Mouse Hmga2 Antibody (C-term) - References**

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