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# Mouse Hmga2 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5379

## Product Information

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| **Application** | IF, WB |
| **Primary Accession** | P52927 |
| **Other Accession** | P52926 |
| **Reactivity** | Human, Mouse |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 11819 |
| **Isotype** | Rabbit IgG |
| **Antigen Source** | HUMAN |

## Additional Information

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| **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. |

## Protein Information

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| **Name** | Hmga2 |
| **Synonyms** | Hmgic |

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| **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: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). |

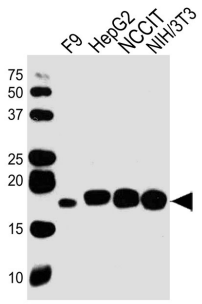
## Background

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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Manfioletti G.,et al.Gene 167:249-253(1995).
Zhou X.,et al.Nucleic Acids Res. 24:4071-4077(1996).
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## 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 C2C12cells stained with Mouse Hmga2 Antibody (C-term)(Cat#AW5379). AW5379 was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit lgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).


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