

**Mouse Hmga2 Antibody (N-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21032a****Specification**

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

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

**Mouse Hmga2 Antibody (N-term) - Additional Information****Gene ID** 15364**Other Names**

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

**Target/Specificity**

This Mouse Hmga2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 26-59 amino acids from the N-terminal region of Mouse Hmga2.

**Dilution**

WB~~1:2000

E~~Use at an assay dependent concentration.

**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 (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**Mouse Hmga2 Antibody (N-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:[27446912](#)). Positively regulates IGF2 expression through PLAG1 and in a PLAG1-independent manner (By similarity).

**Cellular Location**

Nucleus.

**Tissue Location**

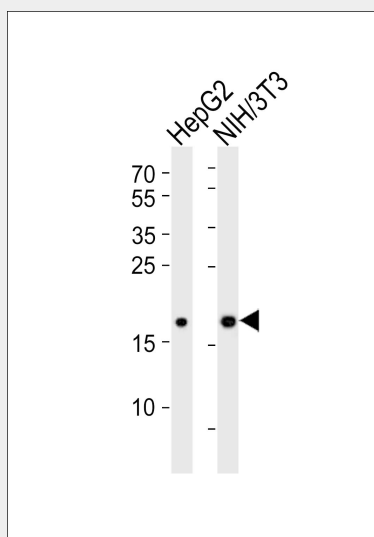
Expressed in mitotic spermatogonia, meiotic spermatocytes, and postmeiotic round spermatids (at protein level) (PubMed:14668482). Expressed in embryonic myogenic progenitor cells (PubMed:27446912).

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

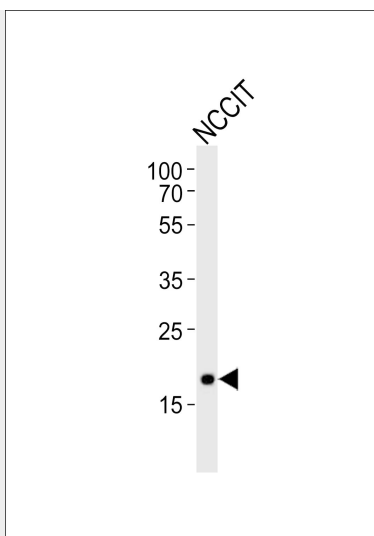
Provided below are standard protocols that you may find useful for product applications.

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

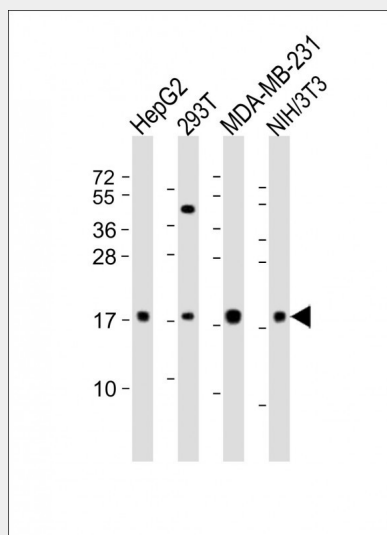
**Mouse Hmga2 Antibody (N-term) - Images**



Western blot analysis of lysates from HepG2, mouse NIH/3T3 cell line (from left to right), using Mouse Hmga2 Antibody (N-term)(Cat. #AP21032a). AP21032a 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.



Western blot analysis of lysate from NCCIT cell line, using Mouse Hmga2 Antibody (N-term)(Cat. #AP21032a). AP21032a was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.



All lanes : Anti-Hmga2 Antibody (N-term) at 1:2000 dilution Lane 1: HepG2 whole cell lysates Lane 2: 293T whole cell lysates Lane 3: MDA-MB-231 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 (N-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 (N-term) - 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).

