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Mouse Hmga2 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21032a

Specification

Mouse Hmga2 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	P52927
Other Accession	P52926
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

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.

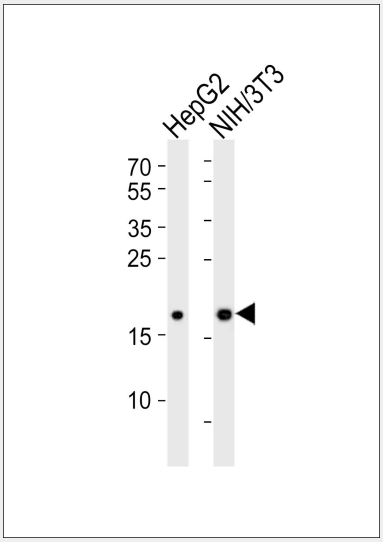
Tissue Location
Expressed in mitotic spermatogonia, meiotic spermatocytes, and postmeiotic round spermatids (at protein level) (PubMed:14668482). Expressed in embryonic myogenic progenitor cells (PubMed:27446912).

Mouse Hmga2 Antibody (N-term) - Protocols

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

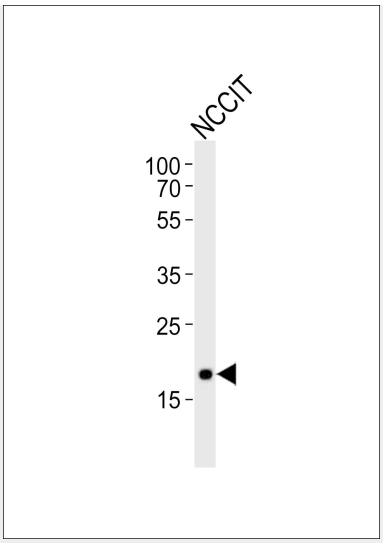
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Mouse Hmga2 Antibody (N-term) - Images

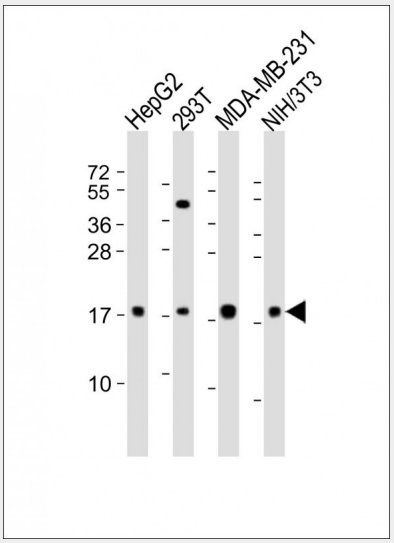


Western blot analysis of lysates from HepG2, mouse NIH/3T3 cell line (from left to right), using Mouse Hmga2 Antibody (N-term)(Cat. #AP21032a). AP21032a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

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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).

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