

Mouse Hmga2 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP21032a

Product Information

Application	WB, E
Primary Accession	<u>P52927</u>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB51072
Calculated MW	11819

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.

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: <u>27446912</u>). 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).

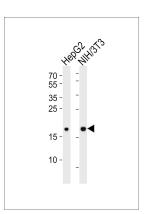
Background

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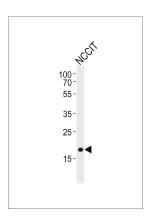
References

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



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.

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