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Mouse Hmga2 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20905c

Product Information

Application	WB, IF, E
Primary Accession	P52927
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB51312
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 72-105 amino acids from the C-terminal region of Mouse Hmga2.
Dilution	WB~~1:4000-1:16000 IF~~1:25 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 (C-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: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.

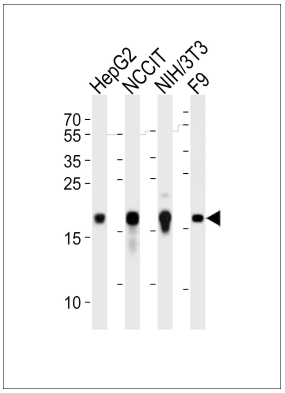
References

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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



Fluorescent image of C2C12cells stained with Mouse Hmga2 Antibody (C-term)(Cat#AP20905c). AP20905c 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).



Western blot analysis of lysates from HepG2, NCCIT, mouse NIH/3T3, mouse F9 cell line (from left to right), using Hmga2 Antibody (C-term)(Cat. #AP20905c). AP20905c 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.

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