

Mouse Hmga2 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AW5379

Product Information

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

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

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).

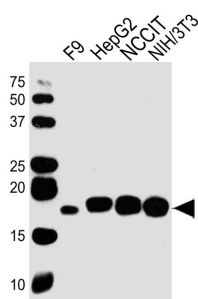
Background

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.

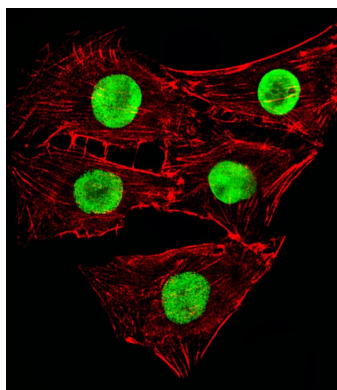
References

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



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 C2C12 cells stained with Mouse Hmga2 Antibody (C-term)(Cat#AW5379). AW5379 was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).