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MRGBP Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18098c

Product Information

Application	WB, E
Primary Accession	Q9NV56
Other Accession	Q9DAT2, NP_060740.1
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB38302
Calculated MW	22417
Antigen Region	46-75

Additional Information

Gene ID	55257
Other Names	MRG/MORF4L-binding protein, MRG-binding protein, Up-regulated in colon cancer 4, Urcc4, MRGBP, C20orf20
Target/Specificity	This MRGBP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 46-75 amino acids from the Central region of human MRGBP.
Dilution	WB~~1:1000 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	MRGBP Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MRGBP
Synonyms	C20orf20

Function	Component of the NuA4 histone acetyltransferase (HAT) complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis, and DNA repair. NuA4 may also play a direct role in DNA repair when recruited to sites of DNA damage.
Cellular Location	Nucleus.

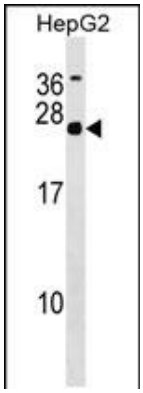
Background

Component of the NuA4 histone acetyltransferase (HAT) complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome -DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis, and DNA repair. NuA4 may also play a direct role in DNA repair when recruited to sites of DNA damage.

References

Yamaguchi, K., et al. Br. J. Cancer 102(2):325-331(2010)
Cai, Y., et al. J. Biol. Chem. 280(14):13665-13670(2005)
Cai, Y., et al. J. Biol. Chem. 278(44):42733-42736(2003)
Deloukas, P., et al. Nature 414(6866):865-871(2001)

Images



MRGBP Antibody (Center) (Cat. #AP18098c) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the MRGBP antibody detected the MRGBP protein (arrow).