

MRGBP Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP18098c

Specification

MRGBP Antibody (Center) - Product Information

Application WB,E
Primary Accession O9NV56

Other Accession Q9DAT2, NP_060740.1

Reactivity
Predicted
Host
Clonality
Isotype
Calculated MW
Antigen Region

Human
Mouse
Rabbit
Polyclonal
Rabbit IgG
22417
46-75

MRGBP Antibody (Center) - 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.

MRGBP Antibody (Center) - 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.

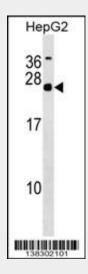
Cellular Location Nucleus.

MRGBP Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

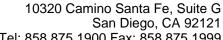
MRGBP Antibody (Center) - Images

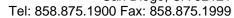


MRGBP Antibody (Center) (Cat. #AP18098c) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the MRGBP antibody detected the MRGBP protein (arrow).

MRGBP Antibody (Center) - 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.

MRGBP Antibody (Center) - 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)