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MRM1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP10383a

Specification

MRM1 Antibody (N-term) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	Q6IN84
Other Accession	NP_079140.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**38638**
Antigen Region	**80-109**

MRM1 Antibody (N-term) - Additional Information

Gene ID 79922

Other Names
rRNA methyltransferase 1, mitochondrial, 211-, 16S rRNA (guanosine(1145)-2'-O)-methyltransferase, 16S rRNA [Gm1145] 2'-O-methyltransferase, MRM1 {ECO:0000303|PubMed:24036117}

Target/Specificity
This MRM1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 80-109 amino acids from the N-terminal region of human MRM1.

Dilution
WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

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
MRM1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MRM1 Antibody (N-term) - Protein Information

Name MRM1 {ECO:0000303|PubMed:24036117}

Function S-adenosyl-L-methionine-dependent 2'-O-ribose methyltransferase that catalyzes the formation of 2'-O-methylguanosine at position 1145 (Gm1145) in the 16S mitochondrial large subunit ribosomal RNA (mtLSU rRNA), a universally conserved modification in the peptidyl transferase domain of the mtLSU rRNA.

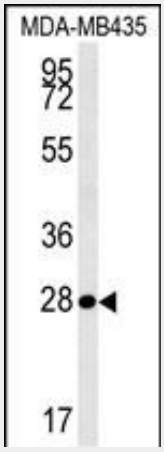
Cellular Location
Mitochondrion matrix

MRM1 Antibody (N-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MRM1 Antibody (N-term) - Images

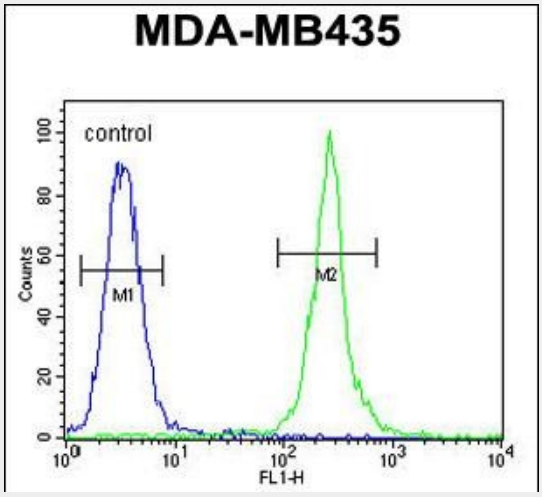


MRM1 Antibody (N-term) (Cat. #AP10383a) western blot analysis in MDA-MB435 cell line lysates (35ug/lane).This demonstrates the MRM1 antibody detected the MRM1 protein (arrow).

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MRM1 antibody (N-term) (Cat. #AP10383a) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the MRM1 antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



MRM1 Antibody (N-term) (Cat. #AP10383a) flow cytometric analysis of MDA-MB435 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

MRM1 Antibody (N-term) - References

Lamesch, P., et al. Genomics 89(3):307-315(2007)
Wang, A.G., et al. Biochem. Biophys. Res. Commun. 345(3):1022-1032(2006)