

Rabbit anti-Human MRM1 Polyclonal Antibody | anti-MRM1 antibody

MRM1 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289647	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

MRM1; Polyclonal Antibody; MRM1 Antibody (N-term); rRNA methyltransferase 1; mitochondrial; 211-; 16S rRNA (guanosine(1145)-2'-O)-methyltransferase; 16S rRNA [Gm1145] 2'-O-methyltransferase; MRM1 {ECO:0000303|PubMed:24036117}; anti-MRM1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
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.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	80-109
Sequence Length	155
Applicable Applications for anti-MRM1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

MRM1 Antibody (N-term) 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.



IHC (Immunohistochemistry)

MRM1 antibody (N-term) 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.



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

ADDITIONAL INFORMATION

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)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	40068479
NCBI GeneID	79922
NCBI Accession #	NP_079140.2
NCBI GenBank Nucleotide #	NM_024864.4
UniProt Accession #	Q6IN84; Q96GK2; Q9H664; A8K8E2
Molecular Weight	38638
NCBI Official Full Name	rRNA methyltransferase 1, mitochondrial
NCBI Official Synonym Full Names	mitochondrial rRNA methyltransferase 1
NCBI Official Symbol	MRM1
NCBI Protein Information	rRNA methyltransferase 1, mitochondrial
UniProt Protein Name	rRNA methyltransferase 1, mitochondrial
UniProt Gene Name	MRM1
UniProt Entry Name	MRM1_HUMAN

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