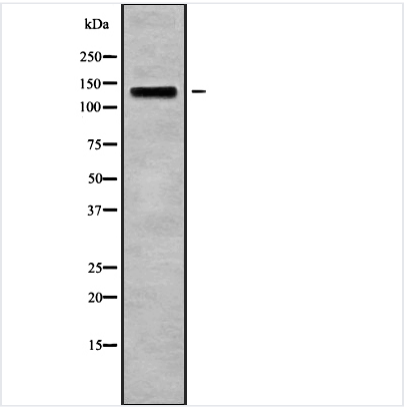
POLRMT Antibody

PRODUCT OVERVIEW

Product Name	POLRMT, Antibody
Full Product Name	POLRMT Antibody
Product Gene Name	anti-POLRMT antibody
Molecular Weight	138,620 Da
OMIM	601778
3D Structure	ModBase 3D Structure for O00411
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-POLRMT antibody	MBS8518474 is an antibody targeting POLRMT. Also known as POLRMT Antibody.
Other Notes	Small volumes of anti-POLRMT antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-POLRMT antibody
Western blot analysis POLRMT using MCF7 whole cell lysates

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for POLRMT. It may not necessarily be applicable to this product.

NCBI GI #	110618253
NCBI GeneID	5442
NCBI Accession #	NP_005026.3
UniProt Primary Accession #	O00411
UniProt Secondary Accession #	O60370
UniProt Related Accession #	O00411
GenBank Nucleotide #	NM_005035.3
NCBI Official Full Name	DNA-directed RNA polymerase, mitochondrial

NCBI Official Synonym Full Names	RNA polymerase mitochondrial
NCBI Official Symbol	POLRMT
NCBI Official Synonym Symbols	APOLMT; MTRNAP; MTRPOL; h-mtRPOL
UniProt Protein Name	DNA-directed RNA polymerase, mitochondrial
UniProt Gene Name	POLRMT
UniProt Synonym Gene Names	MtRPOL
NCBI Protein Information	DNA-directed RNA polymerase, mitochondrial
NCBI Summary for POLRMT	This gene encodes a mitochondrial DNA-directed RNA polymerase. The gene product is responsible for mitochondrial gene expression as well as for providing RNA primers for initiation of replication of the mitochondrial genome. Although this polypeptide has the same function as the three nuclear DNA-directed RNA polymerases, it is more closely related to RNA polymerases of phage and mitochondrial polymerases of lower eukaryotes. [provided by RefSeq, Jul 2008]
UniProt Comments for POLRMT	DNA-dependent RNA polymerase catalyzes the transcription of mitochondrial DNA into RNA using the four ribonucleoside triphosphates as substrates.
Research Articles on POLRMT	**1.** the frequency of variation in sequence identity and length at conserved sequence block 2 amongst human mitochondrial genomes and used in vitro transcription to assess the effects of this length heterogeneity on the activity of the mitochondrial RNA polymerase, POLRMT, was examined.
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