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POLRMT Antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI12927

Product Information

Application	WB
Primary Accession	O00411
Other Accession	NM_005035, NP_005026
Reactivity	Human, Mouse, Rat, Dog, Guinea Pig, Bovine, Yeast
Predicted	Human, Dog, Guinea Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	138620

Additional Information

Gene ID	5442
Alias Symbol	APOLMT, MTRNAP, MTRPOL, h-mtRPOL
Other Names	DNA-directed RNA polymerase, mitochondrial, MtRPOL, 2.7.7.6, POLRMT
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-POLRMT antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	POLRMT Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

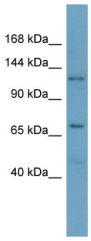
Protein Information

Name	POLRMT (HGNC:9200)
Function	DNA-dependent RNA polymerase catalyzes the transcription of mitochondrial DNA into RNA using the four ribonucleoside triphosphates as substrates (PubMed:21278163, PubMed:33602924). Component of the mitochondrial transcription initiation complex, composed at least of TFB2M, TFAM and POLRMT that is required for basal transcription of mitochondrial DNA (PubMed:29149603). In this complex, TFAM recruits POLRMT to a specific promoter whereas TFB2M induces structural changes in POLRMT to enable promoter opening and trapping of the DNA non- template strand (PubMed:29149603). Has DNA primase activity (PubMed:18685103, PubMed:33602924). Catalyzes the synthesis of short RNA primers that are necessary for the initiation of lagging-strand DNA synthesis from the origin of

light-strand DNA replication (OriL) (PubMed:18685103, PubMed:33602924).

Cellular Location Mitochondrion

Images



Host: Rabbit
Target Name: POLRMT
Sample Tissue: OVCAR-3 Whole cell lysate
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Antibody Dilution: 1.0µg/mlPOLRMT is supported by
BioGPS gene expression data to be expressed in OVCAR3

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.