

POLRMT Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12927**Specification**

POLRMT Antibody - C-terminal region - Product Information

Application	WB
Primary Accession	O00411
Other Accession	NM_005035 , NP_005026
Reactivity	Human, Mouse, Rat, Yeast, Bovine, Guinea Pig, Dog
Predicted Host	Human, Bovine, Guinea Pig, Dog
Clonality	Rabbit
Calculated MW	Polyclonal 135kDa KDa

POLRMT Antibody - C-terminal region - 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.

POLRMT Antibody - C-terminal region - 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

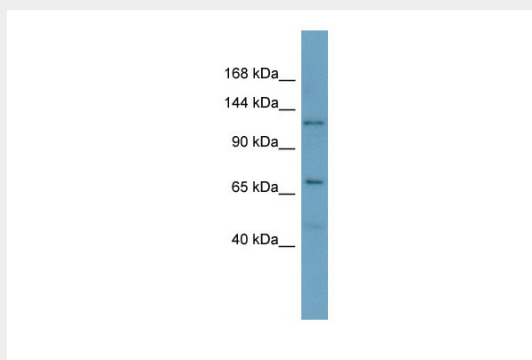
Mitochondrion

POLRMT Antibody - C-terminal region - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

POLRMT Antibody - C-terminal region - 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