

mtRNA polymerase Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56888**Specification**

mtRNA polymerase Polyclonal Antibody - Product Information

Application	WB
Primary Accession	O00411
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	138620

mtRNA polymerase Polyclonal Antibody - Additional Information**Gene ID** 5442**Other Names**

DNA-directed RNA polymerase, mitochondrial, MtrPOL, 2.7.7.6, POLRMT (HGNC:9200)

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

mtRNA polymerase Polyclonal Antibody - 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

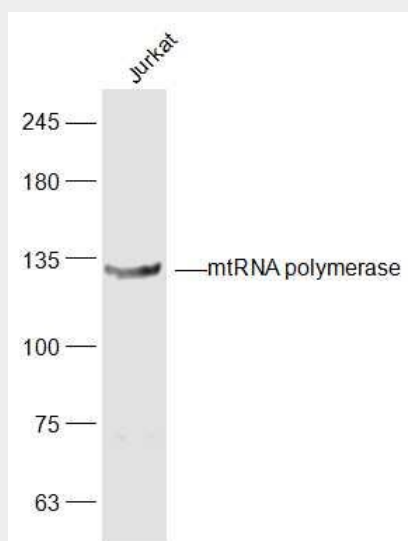
Mitochondrion

mtRNA polymerase Polyclonal Antibody - 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](#)

mtRNA polymerase Polyclonal Antibody - Images



Sample:

Jurkat(Human) Cell Lysate at 30 ug

Primary: Anti-mtRNA polymerase (bs-17894R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 134 kD

Observed band size: 134 kD