

Rabbit anti-Human, Rat POLRMT Polyclonal Antibody | anti-POLRMT antibody

POLRMT Rabbit pAb

CATALOG # AAA281581	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS Immunoprecipitation, Immunofluorescence, Western Blot
-------------------------------	-----------------------	---------------------------------	--

PRODUCT SYNONYMS

POLRMT; Polyclonal Antibody; POLRMT Rabbit pAb; APOLMT; MTRNAP; MTRPOL; h-mtRPOL; anti-POLRMT antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence	SSASPQEQDQ DRRKDWGHVE LLEVLQARVR QLQAESVSEV VVNRVDVARL PECGSGDGL QPPRKVQMGA KDATPVPCGR WAKILEKDKR TQQMRMQLK AKLQMPFQSG EFKALTRRLQ VEPRLLSKQM AGCLEDCTRQ APESPWEEQL ARLLQEAPGK LSLDVEQAPS GQHSQAQLSG QQQRLLAFF
Applicable Applications for anti-POLRMT antibody	IP (Immunoprecipitation), IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 42-230 of human POLRMT (NP_005026.3).
Cellular Location	Mitochondrion
Positive Samples	HeLa, HepG2, 293T
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IP (Immunoprecipitation)

Immunoprecipitation analysis of 200ug extracts of HepG2 cells, using 3 ug POLRMT antibody . Western blot was performed from the immunoprecipitate using POLRMT antibody at a dilution of 1:1000.



IF (Immunofluorescence)

Immunofluorescence analysis of U-2 OS cells using POLRMT antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

**IF (Immunofluorescence)**

Immunofluorescence analysis of C6 cells using POLRMT antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

**WB (Western Blot)**

Western blot analysis of extracts of various cell lines, using POLRMT antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.

ADDITIONAL INFORMATION

Related Product Information for anti-POLRMT antibody	Background: 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.
Product Categories/Family for anti-POLRMT antibody	Epigenetics & Nuclear Signaling ; RNA Binding ; Research ; Endocrine & Metabolism ; Mitochondrial metabolism ; Mitochondrial Biogenesis ; Research ; Endocrine & Metabolism ; Mitochondrial metabolism ; Mitochondrial markers

NCBI AND UNIPROT INFORMATION

NCBI GI #	110618253
NCBI GeneID	5442
NCBI Accession #	NP_005026
NCBI GenBank Nucleotide #	NM_005035
UniProt Accession #	O00411 ; O60370
Molecular Weight	138,620 Da
NCBI Official Full Name	DNA-directed RNA polymerase, mitochondrial
NCBI Official Synonym Full Names	polymerase (RNA) mitochondrial (DNA directed)
NCBI Official Symbol	POLRMT
NCBI Official Synonym Symbols	APOLMT; MTRNAP; MTRPOL; h-mtRPOL
NCBI Protein Information	DNA-directed RNA polymerase, mitochondrial
UniProt Protein Name	DNA-directed RNA polymerase, mitochondrial
UniProt Gene Name	POLRMT
UniProt Synonym Gene Names	MtRPOL
UniProt Entry Name	RPOM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/polrmt-antibody-immunoprecipitation-immunofluorescence-western-blot-elisa/281581>