

## Goat anti-POLRMT Antibody

Item Number	dAP-3036
Target Molecule	Principle Name: POLRMT; Official Symbol: POLRMT; All Names and Symbols: POLRMT; polymerase (RNA) mitochondrial (DNA directed); APOLMT; MTRNAP; MTRPOL; h- <i>mt</i> RPOL; DNA-directed RNA polymerase, mitochondrial; Accession Number (s): NP_005026.3; Human Gene ID(s): 5442; Non-Human GenID(s):
Immunogen	KETLQAVPKPGAFD, is from C Terminus
Applications	Pep ELISA Species Tested:
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 128000.
Western Blot	Western Blot: Preliminary experiments gave bands at approx 90kDa and 35kDa in Human HepG2 lysates after 1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the bands we observe given the calculated size
IHC	
Reference	Reference(s): Ringel R, Sologub M, Morozov YI, Litvin D, Cramer P, Temiakov D. Structure of human mitochondrial RNA polymerase. <i>Nature</i> 2011 Oct 478 (7368): 269-73. PMID: 21947009->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**