

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-POLRMT



Numéro de catalogue: 17748-1-AP

## Informations de base

<b>Numéro de catalogue:</b> 17748-1-AP	<b>Numéro d'acquisition GenBank:</b> BC098387	<b>Méthode de purification:</b> Purification par affinité contre l'antigène
<b>Taille:</b> 150ul , Concentration: 150 µg/ml by Nanodrop;	<b>Identification du gène (NCBI):</b> 5442	<b>Dilutions recommandées:</b> WB 1:200-1:1000 IF 1:50-1:500
<b>Hôte:</b> Lapin	<b>Nom complet:</b> polymerase (RNA) mitochondrial (DNA directed)	
<b>Isotype:</b> IgG	<b>MW calculé:</b> 1230 aa, 139 kDa	
<b>Immunogen Catalog Number:</b> AG12012	<b>MW observés:</b> 130-139 kDa	

## Applications

<b>Applications testées:</b> IF, WB, ELISA	<b>Contrôles positifs:</b> WB : cellules HepG2, cellules COLO 320, cellules HeLa IF : cellules U2OS,
<b>Spécificité de l'espèce:</b> Humain	

## Informations générales

Mitochondrial DNA-dependent RNA polymerase (POLRMT) is responsible for the transcription of mitochondrial genome encoding key components of oxidative phosphorylation. Structurally, POLRMT comprises four main domains: the N-terminal extension, a pentatricopeptide repeat (PPR) domain, the N-terminal domain, and the C-terminal domain (PMID: 33602924). POLRMT requires transcription factor B2M (TFB2M) and transcription factor AM (TFAM) for mitochondrial RNA transcription. POLRMT is overexpressed at both the mRNA and protein level in several cancers, including breast, skin, lung, endometrial cancer, and osteosarcomas (PMID: 37371693).

## Stockage

**Stockage:**  
Stocker à -20°C. Stable pendant un an après l'expédition.  
**Tampon de stockage:**  
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3  
L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

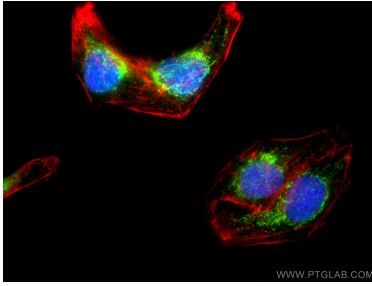
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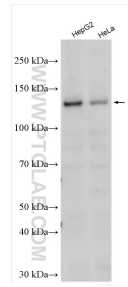
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## Données de validation sélectionnées



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using POLRMT antibody (17748-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



Various lysates were subjected to SDS PAGE followed by western blot with 17748-1-AP (POLRMT antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.