

**Thymidine kinase 2 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP57613**

## Specification

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### Thymidine kinase 2 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	<a href="#">O00142</a>
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	31005

### Thymidine kinase 2 Polyclonal Antibody - Additional Information

**Gene ID** 7084

#### Other Names

Thymidine kinase 2, mitochondrial, 2.7.1.21, Mt-TK, TK2

#### 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.

### Thymidine kinase 2 Polyclonal Antibody - Protein Information

**Name** TK2 {ECO:0000303|PubMed:9989599, ECO:0000312|HGNC:HGNC:11831}

#### Function

Phosphorylates thymidine, deoxycytidine, and deoxyuridine in the mitochondrial matrix (PubMed:<a href="http://www.uniprot.org/citations/11687801" target="\_blank">11687801</a>, PubMed:<a href="http://www.uniprot.org/citations/9989599" target="\_blank">9989599</a>). In non-replicating cells, where cytosolic dNTP synthesis is down-regulated, mtDNA synthesis depends solely on TK2 and DGUOK (PubMed:<a href="http://www.uniprot.org/citations/9989599" target="\_blank">9989599</a>). Widely used as target of antiviral and chemotherapeutic agents (PubMed:<a href="http://www.uniprot.org/citations/9989599" target="\_blank">9989599</a>).

#### Cellular Location

Mitochondrion.

#### Tissue Location

Predominantly expressed in liver, pancreas, muscle, and brain.

## Thymidine kinase 2 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](#)

## Thymidine kinase 2 Polyclonal Antibody - Images