

Thymidine kinase 2 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57613**Specification****Thymidine kinase 2 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	O00142
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

Dilution

WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

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:11687801, PubMed:9989599). In non- replicating cells, where cytosolic dNTP synthesis is down-regulated, mtDNA synthesis depends solely on TK2 and DGUOK (PubMed:9989599). Widely used as target of antiviral and chemotherapeutic agents (PubMed:9989599).

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