

**Thymidine Kinase Rabbit mAb**  
Catalog # AP76173**Specification**

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**Thymidine Kinase Rabbit mAb - Product Information**

Application	WB
Primary Accession	<a href="#">P04183</a>
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	25469

**Thymidine Kinase Rabbit mAb - Additional Information****Gene ID** 7083**Other Names**

TK1

**Dilution**

WB~~1/500-1/1000

**Format**

Liquid

**Thymidine Kinase Rabbit mAb - Protein Information****Name** TK1 ([HGNC:11830](#))**Function**

Cell-cycle-regulated enzyme of importance in nucleotide metabolism (PubMed:[9575153](http://www.uniprot.org/citations/9575153)). Catalyzes the first enzymatic step in the salvage pathway converting thymidine into thymidine monophosphate (PubMed:[22385435](http://www.uniprot.org/citations/22385435)). Transcriptional regulation limits expression to the S phase of the cell cycle and transient expression coincides with the oscillation in the intracellular dTTP concentration (Probable). Also important for the activation of anticancer and antiviral nucleoside analog prodrugs such as 1-b-d-arabinofuranosylcytosine (AraC) and 3c- azido-3c-deoxythymidine (AZT) (PubMed:[22385435](http://www.uniprot.org/citations/22385435)).

**Cellular Location**

Cytoplasm.

**Thymidine Kinase Rabbit mAb - 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 Rabbit mAb - Images

