

TK1 / TK / Thymidine Kinase Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS11964**Specification**

TK1 / TK / Thymidine Kinase Antibody (N-Terminus) - Product Information

Application	WB, IHC-P, E
Primary Accession	P04183
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A E~~N/A

TK1 / TK / Thymidine Kinase Antibody (N-Terminus) - Additional Information**Gene ID** 7083**Other Names**

Thymidine kinase, cytosolic, 2.7.1.21, TK1

Target/Specificity

synthetic peptide corresponding to N-terminal residues of human TK1 (Thymidine kinase, cytosolic)

Reconstitution & Storage

+4°C or -20°C, Avoid repeated freezing and thawing.

Precautions

TK1 / TK / Thymidine Kinase Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

TK1 / TK / Thymidine Kinase Antibody (N-Terminus) - Protein Information**Name** TK1 ([HGNC:11830](#))**Function**

Cell-cycle-regulated enzyme of importance in nucleotide metabolism (PubMed:9575153). Catalyzes the first enzymatic step in the salvage pathway converting thymidine into thymidine monophosphate (PubMed: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).

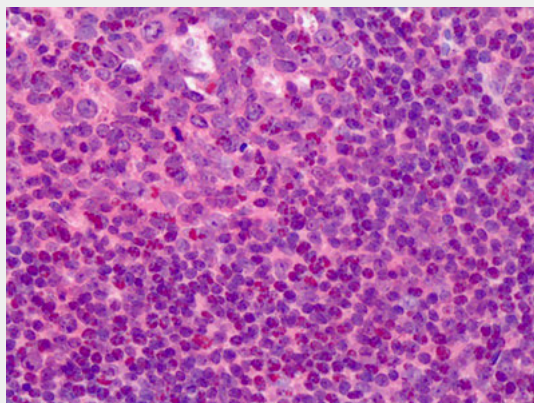
Cellular Location

Cytoplasm.

TK1 / TK / Thymidine Kinase Antibody (N-Terminus) - 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](#)

TK1 / TK / Thymidine Kinase Antibody (N-Terminus) - Images

Anti-TK1 / Thymidine Kinase-1 antibody IHC of human tonsil.

TK1 / TK / Thymidine Kinase Antibody (N-Terminus) - References

Bradshaw H.D. Jr., et al. Mol. Cell. Biol. 4:2316-2320(1984).
Flemington E., et al. Gene 52:267-277(1987).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Kalnine N., et al. Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.
Kreidberg J.A., et al. Mol. Cell. Biol. 6:2903-2909(1986).