

Thymidine Kinase Rabbit mAb

Catalog # AP76173

Product Information

Application	WB, IP
Primary Accession	P04183
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	25469

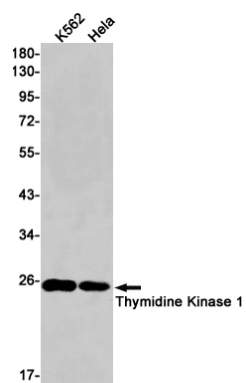
Additional Information

Gene ID	7083
Other Names	TK1
Dilution	WB~~1/500-1/1000 IP~~N/A
Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

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.

Images



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