

Mouse Thymidine Kinase Monoclonal Antibody | anti-LOC100301667 antibody

Thymidine Kinase Monoclonal Antibody

CATALOG # AAA47726	HOST Mouse	APPLICATIONS Immunoblot, Western Blot, ELISA
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PRODUCT SYNONYMS

Thymidine Kinase; Monoclonal Antibody; Thymidine Kinase Monoclonal Antibody; Anti-Thymidine Kinase; anti-LOC100301667 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Specificity	Anti-Thymidine Kinase [Murine MAb to human thymidine kinase] This antibody specifically recognizes human thymidine kinase.
Form/Format	200 ug Protein G-purified antibody in PBS, pH 7.4.
Applicable Applications for anti-LOC100301667 antibody	IB (Immunoblot), ELISA
Antigen	5'-His-tagged recombinant human thymidine kinase.
Stabilizer	None
Preservatives	None. Available on request.
Dilutions Instructions	Dilute in PBS or medium which is identical to that used in the assay system.
Preparation and Storage	This antibody is stable for at least one (1) year at -20 degree C. Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for anti-LOC100301667 antibody	Thymidine kinase (TK) belongs to a group of enzymes such as dihydrofolate reductase, thymidylate synthase, and DNA polymerase that are involved in DNA synthesis and precursor production. High levels of these enzymes are present in proliferating cells, and low levels are found in resting cells, due to multiple regulatory mechanisms that ensure exclusive expression of these enzymes in replicating cells. TK is responsible for catalyzing the phosphorylation of thymidine, which functions as a part of the pyrimidine salvage pathway involved in DNA synthesis. The activities of enzymes such as TK are essential for the activation of several chemotherapeutically important nucleoside analogues that are administered as prodrugs.
Product Categories/Family for anti-LOC100301667 antibody	Cancer Research Products

NCBI AND UNIPROT INFORMATION

NCBI GI #	238231569
NCBI GeneID	100301667
NCBI Accession #	NP_001153968.1
NCBI GenBank Nucleotide #	NM_001160496.1
NCBI Official Full Name	thymidine kinase

NCBI Official Symbol	LOC100301667
NCBI Official Synonym Symbols	LOC100301667
NCBI Protein Information	thymidine kinase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/thymidine-kinase-antibody-immunoblot-elisa/47726>