

**TK1 Antibody (monoclonal) (M05)**

Mouse monoclonal antibody raised against a full length recombinant TK1.

Catalog # AT4249a

**Specification**

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**TK1 Antibody (monoclonal) (M05) - Product Information**

Application	WB, E
Primary Accession	<a href="#">P04183</a>
Other Accession	<a href="#">BC007986</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2b Kappa
Calculated MW	25469

**TK1 Antibody (monoclonal) (M05) - Additional Information****Gene ID** 7083**Other Names**

Thymidine kinase, cytosolic, TK1

**Target/Specificity**

TK1 (AAH07986.1, 1 a.a. ~ 234 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**

WB~~1:500~1000

**Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**

TK1 Antibody (monoclonal) (M05) is for research use only and not for use in diagnostic or therapeutic procedures.

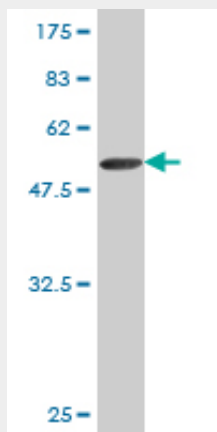
**TK1 Antibody (monoclonal) (M05) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

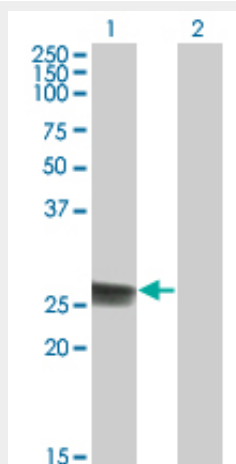
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**TK1 Antibody (monoclonal) (M05) - Images**

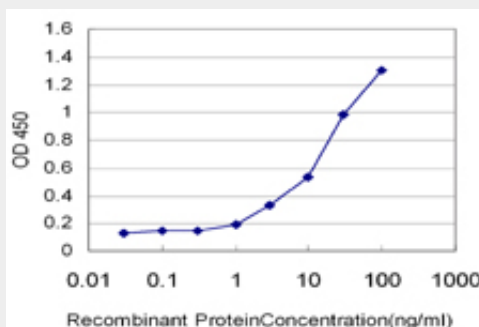


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (51.48 KDa) .



Western Blot analysis of TK1 expression in transfected 293T cell line by TK1 monoclonal antibody (M05), clone 3F9.

Lane 1: TK1 transfected lysate(25.469 KDa).  
 Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged TK1 is approximately 1ng/ml as a capture antibody.

#### **TK1 Antibody (monoclonal) (M05) - References**

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086. Clinical relevance of thymidine kinase for the diagnosis, therapy monitoring and prognosis of non-operable lung cancer. Holdenrieder S, et al. Anticancer Res, 2010 May. PMID 20592392. Regulation and functional contribution of thymidine kinase 1 in repair of DNA damage. Chen YL, et al. J Biol Chem, 2010 Aug 27. PMID 20554529. Thymidine kinase 1 is a potential marker for prognosis and monitoring the response to treatment of patients with breast, lung, and esophageal cancer and non-Hodgkin's lymphoma. He E, et al. Nucleosides Nucleotides Nucleic Acids, 2010 Jun. PMID 20544519. Thymidine kinase 1 deficient cells show increased survival rate after UV-induced DNA damage. Skovgaard T, et al. Nucleosides Nucleotides Nucleic Acids, 2010 Jun. PMID 20544518.