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TK1 Antibody (monoclonal) (M05)

Mouse monoclonal antibody raised against a full length recombinant TK1.
Catalog # AT4249a

Product Information

Application	WB, E
Primary Accession	P04183
Other Accession	BC007986
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	3F9
Calculated MW	25469

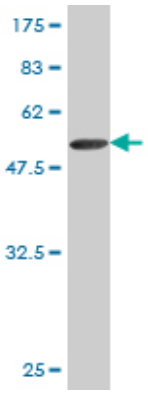
Additional Information

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 E~~N/A
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.

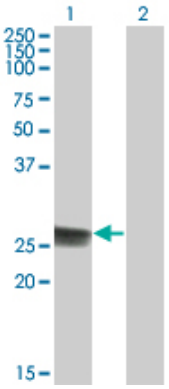
References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-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.

Images

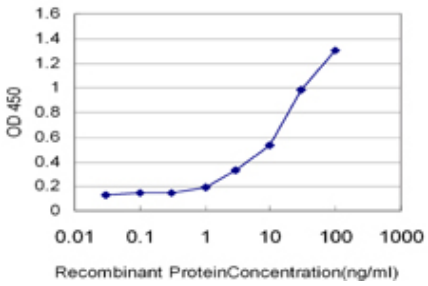


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (51.48 KDa) .



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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.