

For Research Use Only

# TK1 Monoclonal antibody

Catalog Number: 67787-1-Ig **1 Publications**



## Basic Information

<b>Catalog Number:</b> 67787-1-Ig	<b>GenBank Accession Number:</b> BC007986	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 7083	<b>CloneNo.:</b> 1B1C2
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P04183	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:250-1:1000
<b>Isotype:</b> IgG2a	<b>Full Name:</b> thymidine kinase 1, soluble	
<b>Immunogen Catalog Number:</b> AG8265	<b>Calculated MW:</b> 25 kDa	
	<b>Observed MW:</b> 25 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB, IF, IHC	<b>WB :</b> HeLa cells, Jurkat cells, THP-1 cells, Raji cells, HEK-293 cells, HepG2 cells, K-562 cells
<b>Species Specificity:</b> Human	<b>IHC :</b> human colon cancer tissue,
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

TK1(Thymidine kinase, cytosolic) belongs to the thymidine kinase family and is a regulatory enzyme that can interchange between its dimeric and tetrameric forms, which have low and high catalytic efficiencies, respectively. TK1 is involved in DNA synthesis and an important proliferation marker(PMID:21178264).

## Notable Publications

Author	Pubmed ID	Journal	Application
Ning Wang	36806253	Cell Death Dis	WB,IHC,IF

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

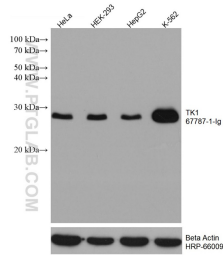
T: 4006900926

E: Proteintech-CN@ptglab.com

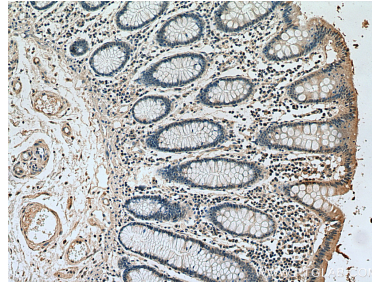
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

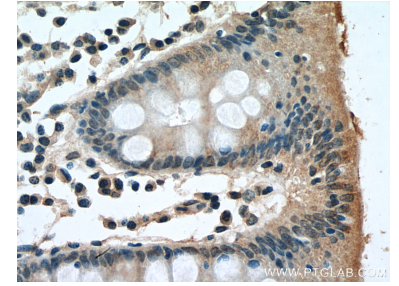
## Selected Validation Data



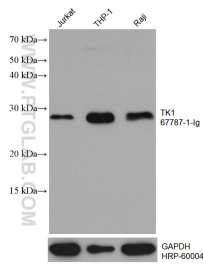
Various lysates were subjected to SDS PAGE followed by western blot with 67787-1-Ig (TK1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



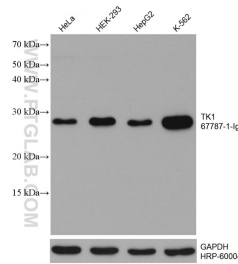
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 67787-1-Ig (TK1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 67787-1-Ig (TK1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 67787-1-Ig (TK1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



Various lysates were subjected to SDS PAGE followed by western blot with 67787-1-Ig (TK1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.