

For Research Use Only

TBK1 Polyclonal antibody

Catalog Number: 28397-1-AP

Featured Product

35 Publications



Basic Information

Catalog Number: 28397-1-AP	GenBank Accession Number: BC034950	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 900 µg/ml by Nanodrop and 433 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 29110	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9UHD2	
Isotype: IgG	Full Name: TANK-binding kinase 1	
Immunogen Catalog Number: AG28894	Observed MW: 84 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Cited Applications: WB, IHC	WB : HT-1080 cells, HCT 116 cells, HeLa cells, HepG2 cells, U2OS cells
Species Specificity: Human	IHC : human stomach cancer tissue, human liver cancer tissue
Cited Species: human, chicken, rat, mouse, monkey, pig	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

TBK1, also named as tumor necrosis factor (TNF) receptor-associated factor NF-κB activator (TANK)-binding kinase 1 (TBK1), NF-κB-activating kinase (NAK), T2K, is a multimeric kinase that modulates inflammation and autophagy. It is a ubiquitously expressed serine-threonine kinase belonging to the 'noncanonical IκB kinases' (IKKs) recognized for its critical role in regulating type I IFN production (PMID: 27211305). And TBK1 is an important player in yet another critical cellular function, autophagy. This antibody is specific for TBK1.

Notable Publications

Author	Pubmed ID	Journal	Application
Xiaohua He	36147630	Biomed Res Int	WB
Yinghua Zhao	34471099	Signal Transduct Target Ther	WB
Qingxia Gao	36314820	J Virol	WB

Storage

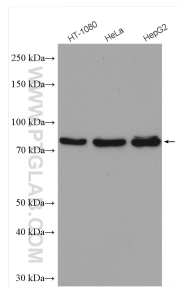
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

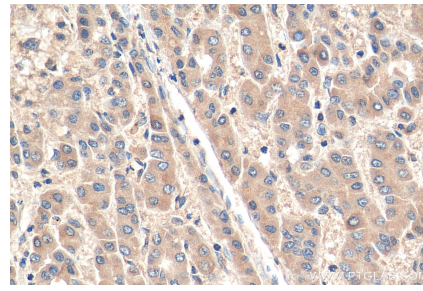
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

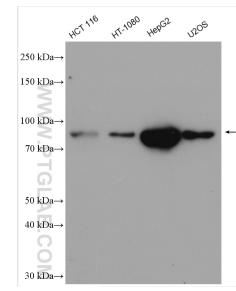
Selected Validation Data



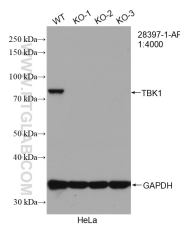
Various lysates were subjected to SDS PAGE followed by western blot with 28397-1-AP (TBK1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



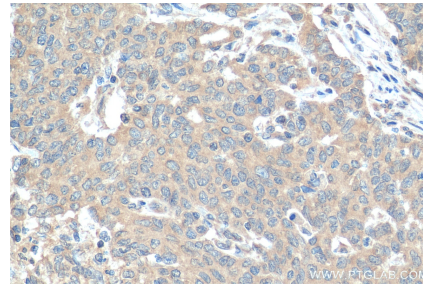
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 28397-1-AP (TBK1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 28397-1-AP (TBK1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.

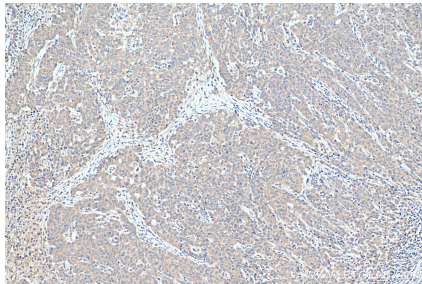


WB result of TBK1 antibody (28397-1-AP; 1:4000; room temperature for 1.5 hours) with wild-type and TBK1 knockout HeLa cells.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 28397-1-AP (TBK1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 28397-1-AP (TBK1 antibody) at dilution of 1:100 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 28397-1-AP (TBK1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).