

For Research Use Only

# TBK1 Monoclonal antibody, PBS Only



Catalog Number: 67211-1-PBS

Featured Product

## Basic Information

<b>Catalog Number:</b> 67211-1-PBS	<b>GenBank Accession Number:</b> BC034950	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 29110	<b>CloneNo.:</b> 2D7B1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9UHD2	
<b>Isotype:</b> IgG2b	<b>Full Name:</b> TANK-binding kinase 1	
<b>Immunogen Catalog Number:</b> AG28894	<b>Observed MW:</b> 84 kDa	

## Applications

**Tested Applications:**  
WB, ELISA

**Species Specificity:**  
Human, Mouse, Rat

## Background Information

TBK1, also named as tumor necrosis factor (TNF) receptor-associated factor NF- $\kappa$ B activator (TANK)-binding kinase 1 (TBK1), NF- $\kappa$ B-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 I $\kappa$ B 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.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS only  
Aliquoting is unnecessary for -20°C storage

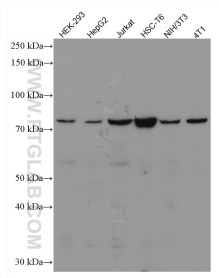
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

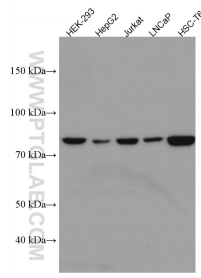
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

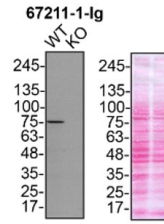
## Selected Validation Data



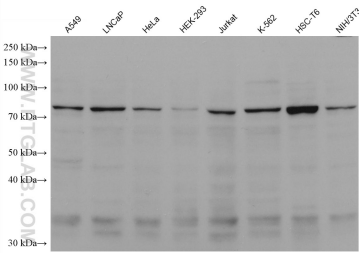
Various lysates were subjected to SDS PAGE followed by western blot with 67211-1-Ig (TBK1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67211-1-PBS in a different storage buffer formulation.



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U2OS (WT and TBK1 KO) lysates prepared with RIPA buffer, 50 µg protein loaded. 67211-1-Ig incubated at 1:5000 at 4°C overnight in 5% BSA in TBST. Ponceau stained transfers shown on right. Data provided by YCharOS, an open science company with a mission to validate commercial antibodies to improve scientific reproducibility and transparency. This data was developed using the same antibody clone with 67211-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 67211-1-Ig (TBK1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67211-1-PBS in a different storage buffer formulation.