

For Research Use Only

# TNIK Monoclonal antibody

Catalog Number: 67948-1-Ig **1 Publications**



## Basic Information

<b>Catalog Number:</b> 67948-1-Ig	<b>GenBank Accession Number:</b> BC055427	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 23043	<b>CloneNo.:</b> 1E9H3
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9UKE5	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:250-1:1000 IF/ICC 1:400-1:1600
<b>Isotype:</b> IgG2a	<b>Full Name:</b> TRAF2 and NCK interacting kinase	
<b>Immunogen Catalog Number:</b> AG30710	<b>Calculated MW:</b> 155 kDa	
	<b>Observed MW:</b> 155 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, FC (Intra), ELISA	<b>Positive Controls:</b> WB : human peripheral blood platelets, K-562 cells IHC : human kidney tissue, IF/ICC : A431 cells,
<b>Cited Applications:</b> IHC	
<b>Species Specificity:</b> Human	
<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

Traf2 and Nck interacting kinase (TNIK) contains serine-threonine kinase and scaffold domains and has been implicated in cell proliferation and glutamate receptor regulation in vitro.

## Notable Publications

Author	Pubmed ID	Journal	Application
Ya-Jun Deng	38187091	Front Mol Biosci	IHC

## Storage

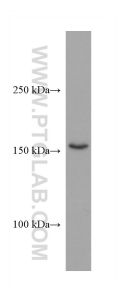
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

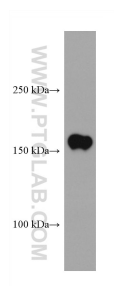
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

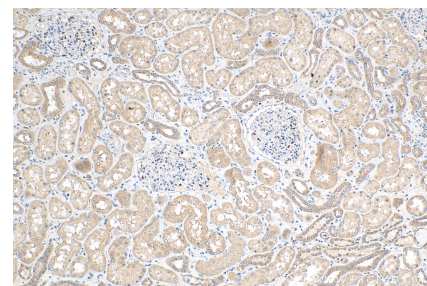
## Selected Validation Data



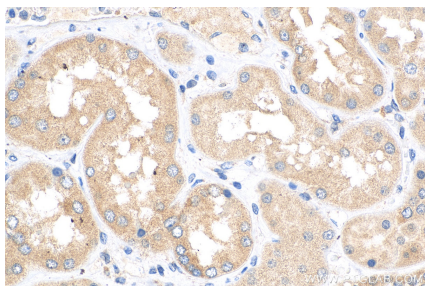
K-562 cells were subjected to SDS PAGE followed by western blot with 67948-1-Ig (TNIK antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



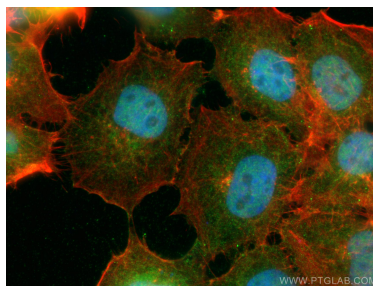
human peripheral blood platelets were subjected to SDS PAGE followed by western blot with 67948-1-Ig (TNIK antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



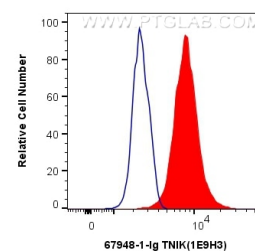
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 67948-1-Ig (TNIK antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 67948-1-Ig (TNIK antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed A431 cells using TNIK antibody (67948-1-Ig, Clone: 1E9H3 ) at dilution of 1:800 and Coralite@488-Conjugated Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).



1X10<sup>6</sup> A431 cells were intracellularly stained with 0.4 ug Anti-Human TNIK (67948-1-Ig, Clone:1E9H3) and Coralite@488-Conjugated Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).