

For Research Use Only

# TNIK Polyclonal antibody

Catalog Number: 30906-1-AP



## Basic Information

<b>Catalog Number:</b> 30906-1-AP	<b>GenBank Accession Number:</b> BC150256	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 450 ug/ml	<b>GeneID (NCBI):</b> 23043	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IF/ICC 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9UKE5	
<b>Isotype:</b> IgG	<b>Full Name:</b> TRAF2 and NCK interacting kinase	
<b>Immunogen Catalog Number:</b> AG34132	<b>Observed MW:</b> 150~180 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> COLO 205 cells, HT-29 cells, K-562 cells <b>IF/ICC :</b> K-562 cells,

## Background Information

TNIK (Traf2- and Nck-interacting kinase) is one of the germinal center kinase family members involved in cytoskeleton organization and neuronal dendrite extension, which had been implicated in postsynaptic signaling as well as in regulation of cell proliferation. TNiK is expressed in the nervous system and plays key roles at the synapse and nucleus. In non-neuronal cells, TNiK has been described as a critical component of transcriptional regulatory mechanisms, mediated by Wnt signaling (PMID: 24566388). TNiK is also an essential regulatory component of the T-cell factor-4 and  $\beta$ -catenin transcriptional complex and is required for the tumor-initiating function of colorectal cancer stem cells (PMID: 10521462). Western blot analysis detected TNiK at an apparent molecular mass of 150~180 kDa as cited in literature (PMID: 24566388).

## 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:

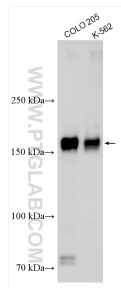
T: 4006900926

E: Proteintech-CN@ptglab.com

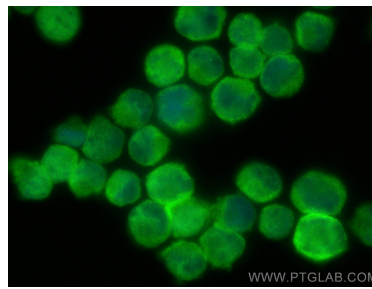
W: ptgcn.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30906-1-AP (TNIK antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed K-562 cells using TNIK antibody (30906-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).