

For Research Use Only

# CoraLite®594-conjugated TNIK Monoclonal antibody

Catalog Number:CL594-67948



## Basic Information

<b>Catalog Number:</b> CL594-67948	<b>GenBank Accession Number:</b> BC055427	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , 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> IF/ICC 1:50-1:500
<b>Isotype:</b> IgG2a	<b>Full Name:</b> TRAF2 and NCK interacting kinase	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Immunogen Catalog Number:</b> AG30710	<b>Calculated MW:</b> 155 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, FC (Intra)	<b>Positive Controls:</b> IF/ICC : U2OS cells,
<b>Species Specificity:</b> Human	

## Background Information

Traf2- and Nck-interacting kinase (TNIK) is one of the germinal center kinase family members involved in cytoskeleton organization and neuronal dendrite extension (PMID: 24566388). TNIK is 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).

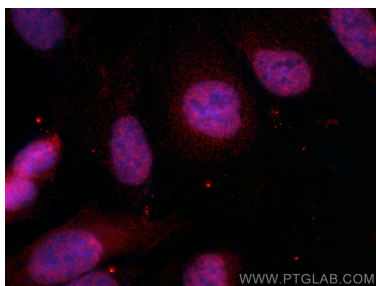
## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

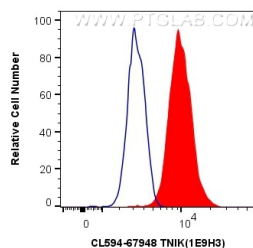
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected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



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using CoraLite® 594 TNIK antibody (CL594-67948, Clone: 1E9H3) at dilution of 1:200.



1X10<sup>6</sup> A431 cells were intracellularly stained with 0.8 ug CoraLite® 594 Anti-Human TNIK (CL594-67948, Clone:1E9H3) (red), or 0.8 ug CoraLite® 594 Mouse IgG2a Isotype Control (C1.18.4) (CL594-65208, Clone: C1.18.4) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).