

For Research Use Only

# CoraLite®594-conjugated MAP2K3 Recombinant antibody



Catalog Number:CL594-80137

## Basic Information

<b>Catalog Number:</b> CL594-80137	<b>GenBank Accession Number:</b> BC032478	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5606	<b>CloneNo.:</b> 3010
<b>Source:</b> Rabbit	<b>Full Name:</b> mitogen-activated protein kinase kinase 3	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 347 aa, 39 kDa	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
	<b>Observed MW:</b> 39 kDa	

## Applications

<b>Tested Applications:</b> FC (Intra), IF	<b>Positive Controls:</b> IF : HeLa cells,
<b>Species Specificity:</b> Human, Mouse, rat	

## Background Information

MAP2K3, also named as MKK3, is a member of dual specificity kinase group and serves as a specific activator of p38 MAPK with MKK6. MKK3 can be phosphorylated by cytokines and environmental stress at sites Ser189 and Thr193 by MKKK proteins (MEKK 1-4). MKK3 plays a key role in cell differentiation, motility, division and death. It has been reported that MKK3 targeting may represent an effective and potentially safe therapeutic strategy to selectively kill cancer cells in colorectal cancer patients. (PMID: 31695024, 30770795, 26805700, 8622669)

## Storage

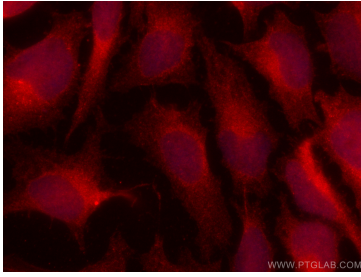
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

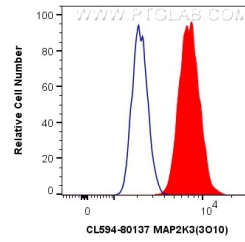
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite@594 MAP2K3 antibody (CL594-80137, Clone: 3O10) at dilution of 1:200.



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug CoraLite@594 Anti-Human MAP2K3 (CL594-80137, Clone:3O10) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).