

For Research Use Only



# CoraLite® Plus 488-conjugated Phospho-RPS6KA1 (Ser380) Recombinant antibody

Catalog Number: **CL488-80108**

## Basic Information

<b>Catalog Number:</b> CL488-80108	<b>GenBank Accession Number:</b> BC014966	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 6195	<b>CloneNo.:</b> 7F23
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q15418	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG	<b>Full Name:</b> ribosomal protein S6 kinase, 90kDa, polypeptide 1	
	<b>Calculated MW:</b> 735 aa, 83 kDa	
	<b>Observed MW:</b> 83-90 kDa	

## Applications

**Tested Applications:**  
FC (Intra)

**Species Specificity:**  
human, mouse

## Background Information

The 90 kDa ribosomal S6 kinases (RSK1-4) are a family of widely expressed serine/threonine kinases and play an important role in the MAPK signaling cascade and act downstream of ERK1/2 signaling. It can mediate mitogenic and stress-induced activation of the transcription factors CREB1, ETV1/ER81 and NR4A1/NUR77. RSK1 (RPS6KA1) is also designated as p90RSK associated with cellular proliferation, survival and differentiation. It has been reported that the phosphorylation of RPS6KA1 at Ser380 is involved in autophosphorylation by activation of the C-terminal kinase domain. (PMID: 16458888, 30813401, 17259979, 10679322)

## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

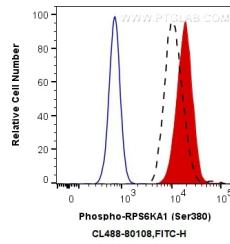
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

**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)  
W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



1X10<sup>6</sup> Jurkat cells untreated (dashed lines) or treated with TPA (red) were intracellularly stained with 0.13 ug CoraLite® Plus 488 Anti-Human Phospho-RPS6KA1 (Ser380) (CL488-80108, Clone:7F23), or 0.13 ug Control Antibody (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.