

For Research Use Only



CoraLite® Plus 647-conjugated Phospho-RPS6KA1 (Ser380) Recombinant antibody

Catalog Number:CL647-80108

Basic Information

Catalog Number:

CL647-80108

Size:

100ul , Concentration: 1000 ug/ml by
Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC014966

GeneID (NCBI):

6195

UNIPROT ID:

Q15418

Full Name:

ribosomal protein S6 kinase, 90kDa,
polypeptide 1

Calculated MW:

735 aa, 83 kDa

Observed MW:

83-90 kDa

Purification Method:

Protein A purification

CloneNo.:

7F23

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

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

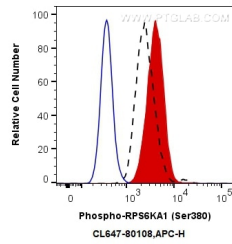
For technical support and original validation data for this product please contact:

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in USA), or 1(312) 455-8498 (outside USA)

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

Selected Validation Data



1X10⁶ Jurkat cells untreated (dashed lines) or treated with TPA (red) were intracellularly stained with 0.13 ug CoraLite® Plus 647 Anti-Human Phospho-RPS6KA1 (Ser380) (CL647-80108, Clone:7F23) (red), or 0.13 ug Control Antibody (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.