For Research Use Only

CoraLite® Plus 647-conjugated Phospho-ASK1 (Ser83) Recombinant monoclonal antibody

Catalog Number:CL647-80072-2

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL647-80072-2

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

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC054503

GeneID (NCBI):
4217

UNIPROT ID:
Q99683

Full Name:
mitogen-activated protein kinase kinase kinase 5

Calculated MW:
155 kDa

Observed MW:
150 kDa

Purification Method:
Protein A purification

CloneNo.:
241532B3

Recommended Dilutions:
FC (Intra): 0.25 ug per 10^6 cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
654 nm / 674 nm

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human

Positive Controls:

FC (Intra) : λ phosphatase treated HEK-293 cells,

Background Information

ASK1(Apoptosis signal-regulating kinase 1) is also named as MAP3K5, MAPKKK5, MEKK5 and belongs to the MAP kinase kinase kinase subfamily. ASK1 is reportedly regulated by phosphorylation and dephosphorylation at four different phosphorylation sites. ASK1 activation is accompanied by phosphorylation of Thr845 and dephosphorylation of Ser83, Ser967, and Ser1034. STRAP actually decreased Thr838 (corresponding to Thr845 in mice) phosphorylation but increased Ser83 and Ser967 phosphorylation, an effect that would inactivate ASK1. (PMID: 19880523)

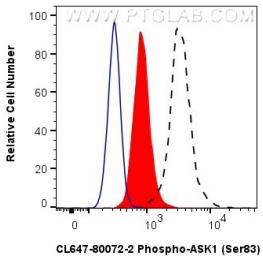
Storage

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, pH7.3
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
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



1X10^6 HEK-293 cells untreated (dashed lines) or treated with λ phosphatase which intracellularly stained with 0.25 ug Coralite® Plus 647 Phospho-Ask1 (Ser83) Recombinant Antibody (CL647-80072-2, Clone:241532B3)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Flow Cytometry Phosphorylated Protein Fixation/Permeabilization Kit (PF00026).