

For Research Use Only

CoraLite® Plus 488-conjugated ASK1 Monoclonal antibody

Catalog Number: CL488-67072



Basic Information

Catalog Number:

CL488-67072

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG5818

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:

110 kDa

Purification Method:

Protein G purification

CloneNo.:

1C3A10

Recommended Dilutions:

IF/ICC: 1:50-1:500

FC (Intra): 0.40 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : A431 cells,

FC (Intra) : A431 cells,

Background Information

ASK1 (Apoptosis signal-regulating kinase 1) is also named as MAP3K5, MAPKKK5, MEK5 and belongs to the MAP kinase kinase kinase subfamily. It is an evolutionarily conserved mitogen activated protein 3-kinase that activates both Jnk and p38 mitogen-activated protein kinases. ASK1 is activated in response to various cytotoxic stresses including TNF, Fas and reactive oxygen species (ROS) such as H₂O₂, and activates c-Jun NH 2-terminal kinase (JNK) and p38. 67072-1-Ig antibody detects the degraded product of ASK1 in SDS-PAGE.

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:

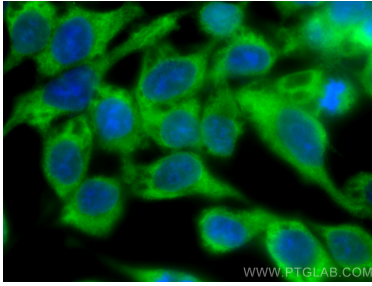
T: 4006900926

E: Proteintech-CN@ptglab.com

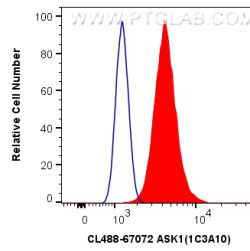
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using Coralite® Plus 488 ASK1 antibody (CL488-67072, Clone: 1C3A10) at dilution of 1:200.



1X10⁶ A431 cells were intracellularly stained with 0.4 ug Coralite® Plus 488 Anti-Human ASK1 (CL488-67072, Clone:1C3A10) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.