

For Research Use Only

CoraLite® Plus 488-conjugated Phospho-STK11/LKB1 (Thr189) Recombinant antibody



Catalog Number: **CL488-80127**

Basic Information

| | | |
|---------------------------------------|---|---|
| Catalog Number: CL488-80127 | GenBank Accession Number: BC007981 | Purification Method: Protein A purification |
| Size: 1000 µg/ml | GeneID (NCBI): 6794 | CloneNo.: 5J9 |
| Source: Rabbit | UNIPROT ID: Q15831 | Recommended Dilutions: IF 1:50-1:500 |
| Isotype: IgG | Full Name: serine/threonine kinase 11 | Excitation/Emission maxima wavelengths: 493 nm / 522 nm |
| | Calculated MW: 49 kDa | |
| | Observed MW: 50-55 kDa | |

Applications

Tested Applications:
FC (Intra), IF/ICC

Species Specificity:
Human, Mouse

Positive Controls:

IF : Calyculin A treated PC-3 cells,

Background Information

STK11 (serine/threonine-protein kinase 11) is also named as LKB1, PJS, and belongs to the protein kinase superfamily. It controls the activity of AMP-activated protein kinase (AMPK) family members, thereby playing a role in various processes such as cell metabolism, cell polarity, apoptosis and DNA damage response. The tumour suppressor protein LKB1 is a serine/threonine kinase that has been causally linked to Peutz-Jeghers syndrome (PJS). Defects in STK11 are a cause of Peutz-Jeghers syndrome (PJS) and defects in STK11 have been associated with testicular germ cell tumor (TGCT) and some sporadic cancers, especially lung cancers.

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:

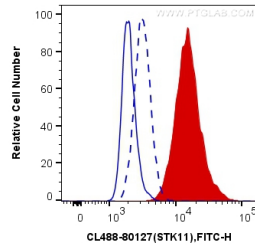
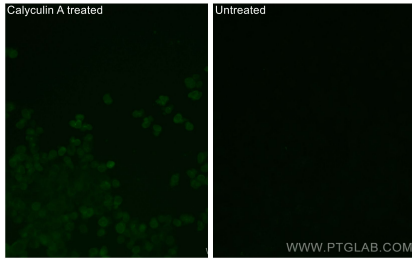
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed non-treated PC-3 cells and Calyculin A treated PC-3 cells using Coralite® Plus 488 Phospho-STK11/LKB1 (Thr189) antibody (CL488-80127, Clone: 5J9) at dilution of 1:100.

1X10⁶ PC-3 cells untreated (dashed lines) or treated with Calyculin A (red) were intracellularly stained with 0.13 ug Coralite® Plus 488 Anti-Human Phospho-STK11/LKB1 (Thr189) (CL488-80127, Clone:5J9), or 0.13 ug Control Antibody (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.