

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

**Catalog Number:** CL488-80127

## Basic Information

**Catalog Number:**

CL488-80127

**Size:**

1000 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

BC007981

**GeneID (NCBI):**

6794

**UNIPROT ID:**

Q15831

**Full Name:**

serine/threonine kinase 11

**Calculated MW:**

49 kDa

**Observed MW:**

50-55 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

5J9

**Recommended Dilutions:**

IF/ICC 1:50-1:500

**Excitation/Emission maxima  
wavelengths:**

493 nm / 522 nm

## Applications

**Tested Applications:**

IF/ICC, FC (Intra)

**Species Specificity:**

human, mouse

**Positive Controls:**

IF/ICC : 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:**

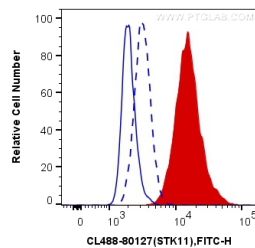
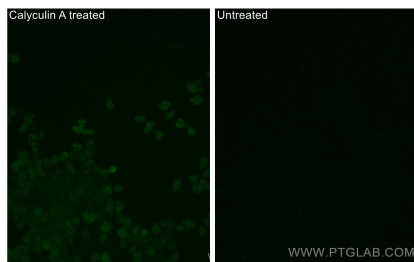
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

## 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.

1X10<sup>6</sup> 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.