

For Research Use Only

# Phospho-STK11/LKB1 (Thr189) Recombinant antibody, PBS Only



Catalog Number: 80127-1-PBS

## Basic Information

<b>Catalog Number:</b> 80127-1-PBS	<b>GenBank Accession Number:</b> BC007981	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 6794	<b>CloneNo.:</b> 5J9
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q15831	
<b>Isotype:</b> IgG	<b>Full Name:</b> serine/threonine kinase 11	
	<b>Calculated MW:</b> 49 kDa	
	<b>Observed MW:</b> 50-55 kDa	

## Applications

**Tested Applications:**  
WB, IF, FC, Indirect ELISA

**Species Specificity:**  
Human, Mouse

## 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

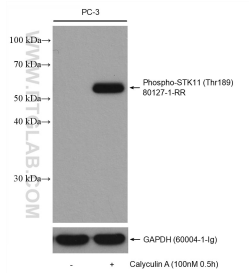
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

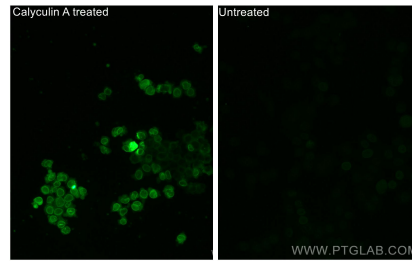
For technical support and original validation data for this product please contact:  
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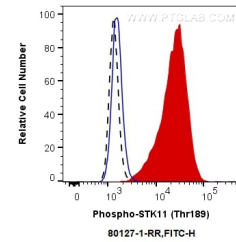
## Selected Validation Data



Non-treated PC-3 and Calyculin A treated PC-3 cells were subjected to SDS PAGE followed by western blot with 80127-1-RR (Phospho-STK11/LKB1 (Thr189) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control. This data was developed using the same antibody clone with 80127-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed non-treated PC-3 cells and Calyculin A treated PC-3 cells using Phospho-STK11/LKB1 (Thr189) antibody (80127-1-RR, Clone: 5J9) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 80127-1-PBS in a different storage buffer formulation.



$1 \times 10^6$  PC-3 cells untreated (dashed lines) or Calyculin A treated (red) were intracellularly stained with 0.25 ug Anti-Human Phospho-STK11 (Thr189) (80127-1-RR, Clone: 5J9) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.25 ug Control Antibody (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH. This data was developed using the same antibody clone with 80127-1-PBS in a different storage buffer formulation.