

For Research Use Only



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

Catalog Number: 80127-1-PBS

Basic Information

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

Applications

Tested Applications:
WB, IF/ICC, 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

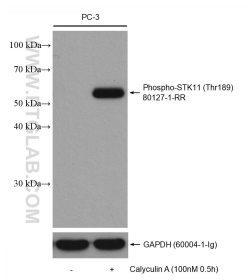
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

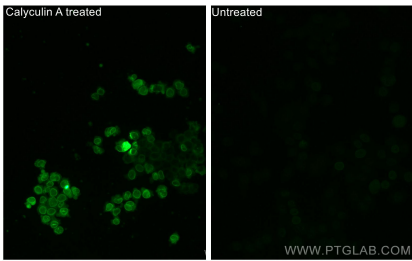
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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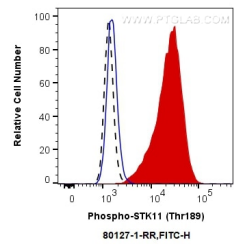
Selected Validation Data



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.



1X10⁶ 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.