

CoraLite®555-conjugated Phospho-STK11 (Thr189) Recombinant antibody

Catalog Number: CL555-80127

Basic Information

Catalog Number:

CL555-80127

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

Excitation/Emission maxima wavelengths:

557 nm / 570 nm

Applications

Tested Applications:

FC (Intra)

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:

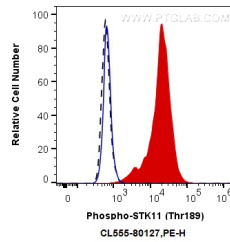
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

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



1X10⁶ PC-3 cells untreated (dashed lines) or treated with Calyculin A (red) were intracellularly stained with 0.13 ug CoraLite®555 Anti-Human Phospho-STK11 (Thr189) (CL555-80127, Clone:5J9), or 0.13 ug Control Antibody (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.