For Research Use Only

CoraLite® Plus 488-conjugated STK11/LKB1 Monoclonal antibody

Catalog Number:CL488-68016

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Basic Information

Catalog Number:
CL488-68016

Size:
100ul , Concentration: 1000 μg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG1

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 G purification

CloneNo.:
2D11E5

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:

Species Specificity:
Human, mouse, rat

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. STK11 has 2 isoforms with MW of 49 kDa and 45 kDa, and can be detected as 50-54 kDa after posttranslational modification.

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:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data