

For Research Use Only

# CoraLite®555-conjugated STK11/LKB1 Monoclonal antibody



Catalog Number:CL555-66719

## Basic Information

<b>Catalog Number:</b> CL555-66719	<b>GenBank Accession Number:</b> BC007981	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 6794	<b>CloneNo.:</b> 1H8E4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q15831	<b>Recommended Dilutions:</b> IF/ICC 1:200-1:800
<b>Isotype:</b> IgG1	<b>Full Name:</b> serine/threonine kinase 11	<b>Excitation/Emission maxima wavelengths:</b> 557 nm / 570 nm
<b>Immunogen Catalog Number:</b> AG13436	<b>Calculated MW:</b> 49 kDa	
	<b>Observed MW:</b> 45-49 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : HeLa cells,
<b>Species Specificity:</b> 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:

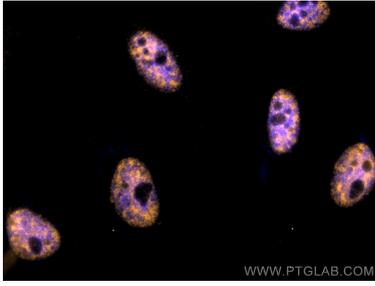
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

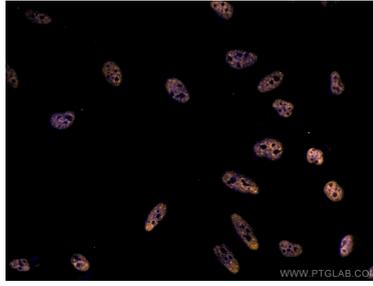
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite®555 STK11/LKB1 antibody (CL555-66719, Clone: 1H8E4) at dilution of 1:400.



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