

CoraLite®594-conjugated STK11/LKB1 Monoclonal antibody

Catalog Number: **CL594-66719**

Basic Information

Catalog Number: CL594-66719	GenBank Accession Number: BC007981	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 6794	CloneNo.: 1H8E4
Source: Mouse	UNIPROT ID: Q15831	Recommended Dilutions: WB 1:500-1:1000
Isotype: IgG1	Full Name: serine/threonine kinase 11	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG13436	Calculated MW: 49 kDa	
	Observed MW: 45-49 kDa	

Applications

Tested Applications: WB	Positive Controls: WB : HeLa cells, HEK-293 cells, Jurkat cells
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.

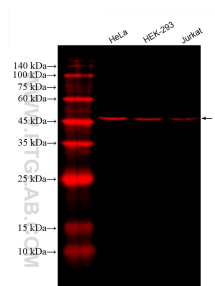
Storage

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with CL594-66719 (STK11/LKB1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.