

For Research Use Only

STK11/LKB1 Recombinant monoclonal antibody

Catalog Number: 88058-4-RR



Basic Information

Catalog Number: 88058-4-RR	GenBank Accession Number: BC007981	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 6794	CloneNo.: 260318B12
Source: Rabbit	UNIPROT ID: Q15831	Recommended Dilutions: WB: 1:1000-1:4000
Isotype: IgG	Full Name: serine/threonine kinase 11	
Immunogen Catalog Number: AG1048	Calculated MW: 49 kDa	
	Observed MW: 50-55 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HCT 116 cells, Jurkat cells, HEK-293 cells
Species Specificity: human	

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

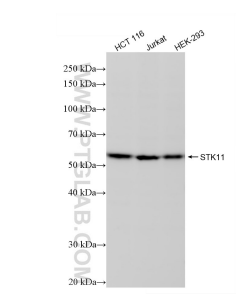
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 88058-4-RR (STK11/LKB1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.