

For Research Use Only

STK11/LKB1 Recombinant monoclonal antibody, PBS Only

Catalog Number: 88058-4-PBS



Basic Information

Catalog Number: 88058-4-PBS	GenBank Accession Number: BC007981	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 6794	CloneNo.: 260318B12
Source: Rabbit	UNIPROT ID: Q15831	
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, Indirect ELISA

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

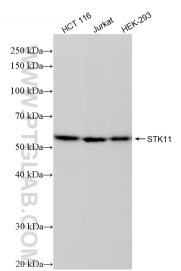
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

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. This data was developed using the same antibody clone with 88058-4-PBS in a different storage buffer formulation.