

## LKB1 Polyclonal Antibody

Catalog number: 10746-1-AP

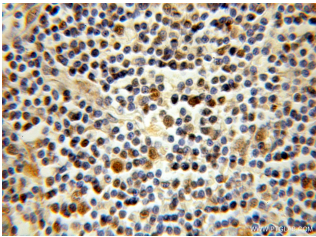
Size: 34 µg/150 µl

Source: Rabbit

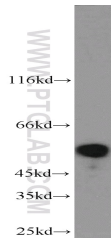
Isotype: IgG

Synonyms:

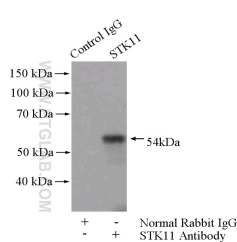
STK11; LKB1, PJS,  
serine/threonine kinase 11,  
STK11



Immunohistochemical of paraffin-embedded human lymphoma using 10746-1-AP (STK11 antibody) at dilution of 1:50 (under 10x lens)



HEK-293 cells were subjected to SDS PAGE followed by western blot with 10746-1-AP (STK11 antibody) at dilution of 1:600



IP Result of anti-STK11 (IP:10746-1-AP, 4µg; Detection:10746-1-AP 1:500) with HEK-293 cells lysate 2000µg.

### Background

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.

### Applications

Tested applications:	ELISA, WB, IHC, IP
Cited applications:	IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human
Calculated LKB1 MW:	49 kDa
Observed LKB1 MW:	54 kDa
Positive WB detected in	HEK-293 cells, Jurkat cells
Positive IP detected in	HEK-293 cells
Positive IHC detected in	Human lymphoma tissue, human liver tissue, human lung cancer tissue, human skin tissue, human testis tissue
Recommended dilution:	WB: 1:200-1:2000 IP: 1:200-1:2000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag1048
GenBank accession number:	BC007981
Gene ID (NCBI):	6794
Full name:	Serine/threonine kinase 11

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.