

Nur für Forschungszwecke

# STK11/LKB1 Polyklonaler Antikörper



Katalog-Nr.: 29323-1-AP

Vorgestelltes Produkt

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 29323-1-AP	<b>GenBank-Zugangsnummer:</b> BC007981	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul, Konzentration: 450 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 6794	<b>Empfohlene Verdünnungen:</b> WB 1:2000-1:10000 IHC 1:300-1:1200 IF 1:50-1:500
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> serine/threonine kinase 11	
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 49 kDa	
<b>Immunogen Katalognummer:</b> AG30903	<b>Beobachtete Masse:</b> 50-55 kDa	

## Anwendungen

### Geprüfte Anwendungen:

IF, IHC, WB, ELISA

### Getestete Reaktivität:

Human, Maus

**Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

### Positivkontrollen:

WB: A431-Zellen, HEK-293T-Zellen, MCF-7-Zellen

IHC: humanes Lungenkarzinomgewebe, humanes Lymphomgewebe, humanes Mammakarzinomgewebe, Maushodengewebe

IF: HeLa-Zellen,

## Hintergrundinformationen

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.

## Lagerung

### Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

### Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

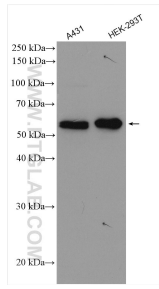
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

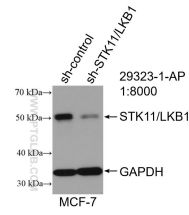
E: proteintech@ptglab.com  
W: ptglab.com

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

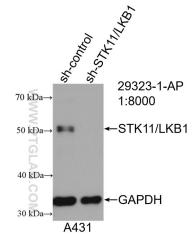
## Ausgewählte Validierungsdaten



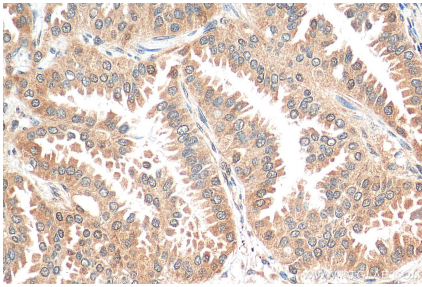
Various lysates were subjected to SDS PAGE followed by western blot with 29323-1-AP (STK11 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



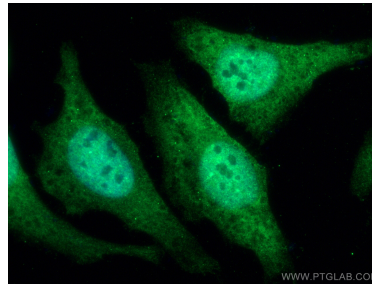
WB result of STK11/LKB1 antibody (29323-1-AP; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-STK11/LKB1 transfected MCF-7 cells.



WB result of STK11/LKB1 antibody (29323-1-AP; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-STK11/LKB1 transfected A431 cells.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 29323-1-AP (STK11/LKB1 antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using STK11/LKB1 antibody (29323-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).