

## Product datasheet

# Anti-STK3 antibody ab70479

画像数 1

### 製品の概要

製品名	Anti-STK3 antibody
製品の詳細	Rabbit polyclonal to STK3
由来種	Rabbit
アプリケーション	適用あり: WB, IP
種交差性	交差種: Human 交差が予測される動物種: Rabbit, Horse, Cow, Chimpanzee, Gorilla, Orangutan, Bat 
免疫原	A region between residues 400 and 450 of Human STK3 using the numbering given in entry NP_006272.2
ポジティブ・コントロール	Whole cell lysate from HeLa or Ramos cells.

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	Preservative: 0.09% Sodium Azide Constituents: 8mM PBS, 60mM Citrate, 150mM Tris, pH 7 to 8
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

### アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab70479** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB		1/500 - 1/2500. Detects a band of approximately 56 kDa (predicted molecular weight: 56 kDa).
IP		Use at 2-5 µg/mg of lysate.

## ターゲット情報

### 機能

Stress-activated, pro-apoptotic kinase which, following caspase-cleavage, enters the nucleus and induces chromatin condensation followed by internucleosomal DNA fragmentation. Key component of the Hippo signaling pathway which plays a pivotal role in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. The core of this pathway is composed of a kinase cascade wherein MST1/MST2, in complex with its regulatory protein SAV1, phosphorylates and activates LATS1/2 in complex with its regulatory protein MOB1, which in turn phosphorylates and inactivates YAP1 oncoprotein and WWTR1/TAZ. Phosphorylation of YAP1 by LATS2 inhibits its translocation into the nucleus to regulate cellular genes important for cell proliferation, cell death, and cell migration. MST1/MST2 are required to repress proliferation of mature hepatocytes, to prevent activation of facultative adult liver stem cells (oval cells), and to inhibit tumor formation. Phosphorylates NKX2-1.

### 組織特異性

Expressed at high levels in adult kidney, skeletal and placenta tissues and at very low levels in adult heart, lung and brain tissues.

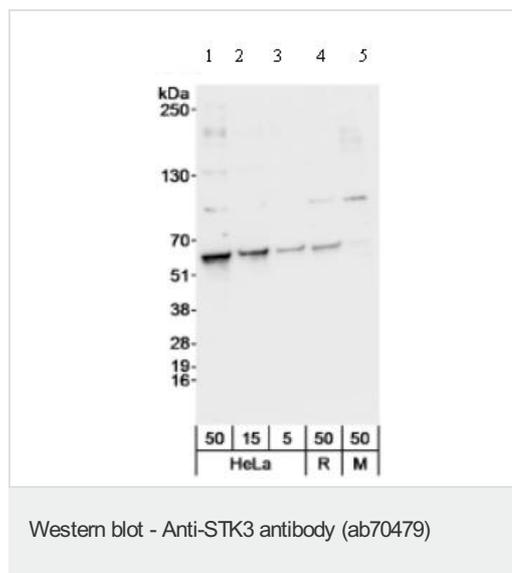
### 配列類似性

Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily. Contains 1 protein kinase domain.  
Contains 1 SARAH domain.

### 細胞内局在

Cytoplasm. Nucleus. The caspase-cleaved form cycles between nucleus and cytoplasm.

## 画像



**All lanes :** Anti-STK3 antibody (ab70479) at 1 µg/ml

**Lane 1 :** Whole cell lysate from HeLa cells at 50 µg

**Lane 2 :** Whole cell lysate from HeLa cells at 15 µg

**Lane 3 :** Whole cell lysate from HeLa cells at 5 µg

**Lane 4 :** Whole cell lysate from Ramos cells at 50 µg

**Lane 5 :** Whole cell lysate from mouse NIH3T3 cells at 50 µg

Developed using the ECL technique.

**Predicted band size:** 56 kDa

**Observed band size:** 56 kDa

**Exposure time:** 30 seconds

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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