Datasheet for ABIN1537341

anti-STK4 antibody (C-Term)

1 Image

Go to Product page

Overview

Quantity:	400 µL
Target:	STK4
Binding Specificity:	AA 443-470, C-Term
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STK4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This Mouse Stk4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 443-470 amino acids from the C-terminal region of mouse Stk4.
Clone:	RB37147
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	STK4
Alternative Name:	Stk4 (STK4 Products)
Background:	Stress-activated, pro-apoptotic kinase which, following caspase-cleavage, enters the nucleus

Target Details

	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 'Ser-14' of histone H2B (H2BS14ph) during apoptosis. Phosphorylates FOXO3 upon oxidative stress, which results in its nuclear translocation and cell death initiation.
Molecular Weight:	55541
Gene ID:	58231
NCBI Accession:	NP_067395
UniProt:	Q9JI11
Pathways:	Tube Formation

Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

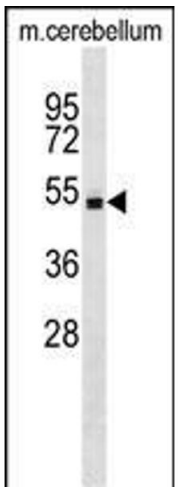
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Mouse Stk4 Antibody (C-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.

Handling

Expiry Date:	6 months

Images



Western Blotting

Image 1. Mouse Stk4 Antibody (C-term) (ABIN1537341 and ABIN2848947) western blot analysis in mouse cerebellum tissue lysates (35 µg/lane).This demonstrates the Stk4 antibody detected the Stk4 protein (arrow).