



[Go to Product page](#)

Datasheet for ABIN1882187
anti-STK3 antibody (AA 228-252)

1 Image

Overview

Quantity:	400 µL
Target:	STK3
Binding Specificity:	AA 228-252
Reactivity:	Human, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STK3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This DANRE stk3(36kDa subunit) antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 228-252 amino acids from the Central region of DANRE stk3(36kDa subunit).
Clone:	RB47395
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	STK3
Alternative Name:	stk3 (STK3 Products)
Background:	Stress-activated, pro-apoptotic kinase which, following caspase-cleavage, enters the nucleus and induces chromatin condensation followed by internucleosomal DNA fragmentation. Key

Target Details

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 *stk3/mst2* and *stk4/mst1*, 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 (By similarity).

Molecular Weight: 56081

UniProt: [Q7ZUQ3](#)

Pathways: [Tube Formation](#)

Application Details

Application Notes: WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

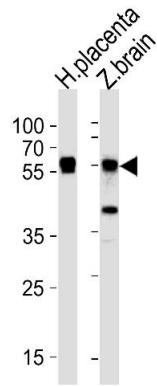
Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

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

Expiry Date: 6 months



Western Blotting

Image 1. Western blot analysis of lysates from human placenta and zebra fish brain tissue (from left to right), using Zebrafishstk3(36 kDa subunit) Antibody (Center) Azb10042a. Azb10042a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35 μ g per lane.