



Datasheet for ABIN1881052
anti-AKTIP antibody (C-Term)



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Overview

Quantity:	400 µL
Target:	AKTIP
Binding Specificity:	AA 262-288, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AKTIP antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This AKTIP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 262-288 amino acids from the C-terminal region of human AKTIP.
Clone:	RB38675
Isotype:	Ig Fraction
Predicted Reactivity:	C, Pr, M, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	AKTIP
Alternative Name:	AKTIP (AKTIP Products)

Target Details

Background: The mouse homolog of this gene produces fused toes and thymic hyperplasia in heterozygous mutant animals while homozygous mutants die in early development. This gene may play a role in apoptosis as these morphological abnormalities are caused by altered patterns of programmed cell death. The protein encoded by this gene is similar to the ubiquitin ligase domain of other ubiquitin-conjugating enzymes but lacks the conserved cysteine residue that enables those enzymes to conjugate ubiquitin to the target protein. This protein interacts directly with serine/threonine kinase protein kinase B (PKB)/Akt and modulates PKB activity by enhancing the phosphorylation of PKB's regulatory sites. Alternative splicing results in two transcript variants encoding the same protein.

Molecular Weight: 33128

NCBI Accession: [NP_001012398](#), [NP_071921](#)

UniProt: [Q9H8T0](#)

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

Publications

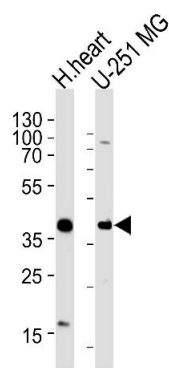
Product cited in: Xiang, Jiang, Liu, Zhang, Zhu: "hMan2c1 transgene promotes tumor progress in mice." in: **Transgenic research**, Vol. 19, Issue 1, pp. 67-75, (2010) ([PubMed](#)).

Tian, Ju, Zhou, Liu, Zhu: "Inhibition of alpha-mannosidase Man2c1 gene expression suppresses

growth of esophageal carcinoma cells through mitotic arrest and apoptosis." in: **Cancer science**, Vol. 99, Issue 12, pp. 2428-34, (2008) ([PubMed](#)).

Qu, Ju, Chen, Shi, Xiang, Zhou, Tian, Liu, Zhu: "Inhibition of the alpha-mannosidase Man2c1 gene expression enhances adhesion of Jurkat cells." in: **Cell research**, Vol. 16, Issue 7, pp. 622-31, (2006) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis of lysates from human heart tissue lysate, U-251 MG cell line (from left to right), using AKTIP Antibody (C-term) (ABIN1881052 and ABIN2838362). (ABIN1881052 and ABIN2838362) 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 µg per lane.