

Datasheet for ABIN6243989  
**anti-RICTOR antibody (AA 1068-1102)**



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1 Image

## Overview

Quantity:	400 µL
Target:	RICTOR
Binding Specificity:	AA 1068-1102
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RICTOR antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This RICTOR antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1068-1102 amino acids from the Central region of human RICTOR.
Clone:	RB52841
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	RICTOR
Alternative Name:	RICTOR ( <a href="#">RICTOR Products</a> )
Background:	Subunit of mTORC2, which regulates cell growth and survival in response to hormonal signals.

## Target Details

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mTORC2 is activated by growth factors, but, in contrast to mTORC1, seems to be nutrient-insensitive. mTORC2 seems to function upstream of Rho GTPases to regulate the actin cytoskeleton, probably by activating one or more Rho-type guanine nucleotide exchange factors. mTORC2 promotes the serum-induced formation of stress-fibers or F-actin. mTORC2 plays a critical role in AKT1 'Ser-473' phosphorylation, which may facilitate the phosphorylation of the activation loop of AKT1 on 'Thr-308' by PDK1 which is a prerequisite for full activation. mTORC2 regulates the phosphorylation of SGK1 at 'Ser-422'. mTORC2 also modulates the phosphorylation of PRKCA on 'Ser-657'. Plays an essential role in embryonic growth and development.

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Molecular Weight: 192218

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UniProt: [Q6R327](#)

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Pathways: [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Regulation of Actin Filament Polymerization](#), [CXCR4-mediated Signaling Events](#)

## Application Details

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Application Notes: WB: 1:2000

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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

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Preservative: Sodium azide

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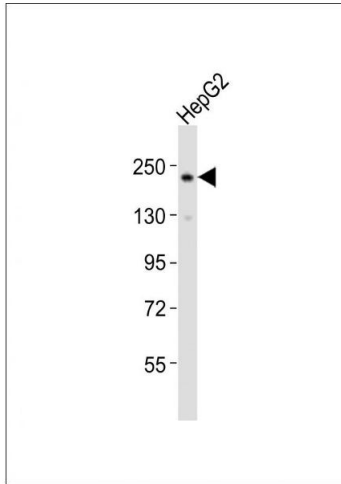
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: 4 °C,-20 °C

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Expiry Date: 6 months



### Western Blotting

**Image 1.** Anti-RICTOR Antibody (Center) at 1:2000 dilution + HepG2 whole cell lysates Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 192 kDa Blocking/Dilution buffer: 5 % NFDN/TBST.