

Datasheet for ABIN391384

**anti-RICTOR antibody (N-Term)****2** Images**1** Publication[Go to Product page](#)

## Overview

Quantity:	400 µL
Target:	RICTOR
Binding Specificity:	AA 252-281, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RICTOR antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This Rictor antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 252-281 amino acids from the N-terminal region of human Rictor.
Clone:	RB11675
Isotype:	Ig Fraction
Predicted Reactivity:	M
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## Target Details

Target:	RICTOR
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## Target Details

Alternative Name:	Rictor ( <a href="#">RICTOR Products</a> )
Background:	RICTOR and MTOR (FRAP1) are components of a protein complex that integrates nutrient- and growth factor-derived signals to regulate cell growth.
Molecular Weight:	192218
Gene ID:	253260
NCBI Accession:	<a href="#">NP_689969</a>
UniProt:	<a href="#">Q6R327</a>
Pathways:	<a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Regulation of Actin Filament Polymerization</a> , <a href="#">CXCR4-mediated Signaling Events</a>

## Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50
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:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

## Publications

Product cited in:	Heydasch, Kessler, Warnke, Eschrich, Scholz, Bigl: "Functional diversity of PFKFB3 splice variants in glioblastomas." in: <b>PloS one</b> , Vol. 16, Issue 7, pp. e0241092, (2021) ( <a href="#">PubMed</a> ).
	Lee, Lee, Yun, Jang, Kang, Kim, Choi, Park: "Silver nanoparticles affect glucose metabolism in

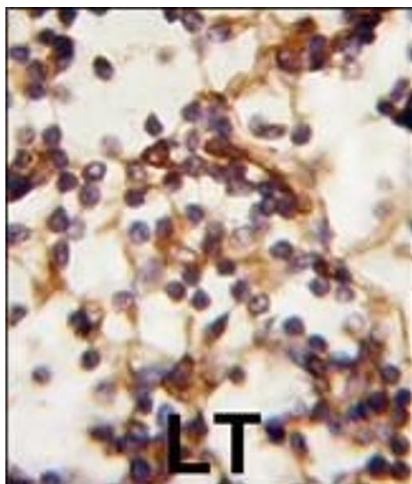
hepatoma cells through production of reactive oxygen species." in: **International journal of nanomedicine**, Vol. 11, pp. 55-68, (2016) ([PubMed](#)).

Reddy, Fernandes, Deshpande, Weisberg, Inguilizian, Abdel-Wahab, Kung, Levine, Griffin, Sattler: "The JAK2V617F oncogene requires expression of inducible phosphofructokinase/fructose-bisphosphatase 3 for cell growth and increased metabolic activity." in: **Leukemia**, Vol. 26, Issue 3, pp. 481-9, (2012) ([PubMed](#)).

Ando, Uehara, Kogure, Asano, Nakajima, Abe, Kawauchi, Tanaka: "Interleukin 6 enhances glycolysis through expression of the glycolytic enzymes hexokinase 2 and 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase-3." in: **Journal of Nippon Medical School = Nippon Ika Daigaku zasshi**, Vol. 77, Issue 2, pp. 97-105, (2010) ([PubMed](#)).

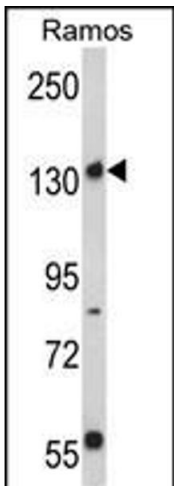
Yamasaki, Hayashi, Okamoto, Osanai, Lee: "Insulin-independent promotion of chemically induced hepatocellular tumor development in genetically diabetic mice." in: **Cancer science**, Vol. 101, Issue 1, pp. 65-72, (2010) ([PubMed](#)).

## Images



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin-embedded human Lymph tissue reacted with Rictor antibody (N-term) (ABIN391384 and ABIN2841392) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



Western Blotting

**Image 2.** Western blot analysis of Rictor Antibody (N-term) (ABIN391384 and ABIN2841392) in Ramos cell line lysates (35 µg/lane). RICTOR (arrow) was detected using the purified Pab.