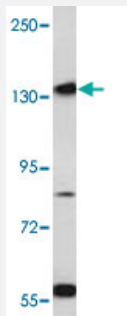


# RICTOR polyclonal antibody

Catalog # PAB2053

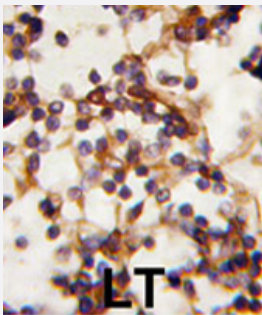
Size 400 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of Ramos cell lysate (35 ug/lane) with RICTOR polyclonal antibody (Cat # PAB2053).



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human lymph tissue reacted with RICTOR polyclonal antibody (Cat # PAB2053), 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.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of RICTOR.
<b>Immunogen</b>	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human RICTOR.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Protein A purification

<b>Recommend Usage</b>	Western Blot (1:1000) Immunohistochemistry (1:50) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.09% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

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## Gene Info — RICTOR

<b>Entrez GeneID</b>	<a href="#">253260</a>
<b>Protein Accession#</b>	<a href="#">NP_689969:Q6R327</a>
<b>Gene Name</b>	RICTOR
<b>Gene Alias</b>	DKFZp686B11164, KIAA1999, MGC39830, mAVO3
<b>Gene Description</b>	rapamycin-insensitive companion of mTOR
<b>Omim ID</b>	<a href="#">609022</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
<b>Gene Summary</b>	RICTOR and MTOR (FRAP1; MIM 601231) are components of a protein complex that integrates nutrient- and growth factor-derived signals to regulate cell growth (Sarbasov et al., 2004 [PubMed 15268862]).[supplied by OMIM]
<b>Other Designations</b>	TORC2-specific protein AVO3 pianissimo

## Publication Reference

- [Identification of Protor as a novel Rictor-binding component of mTOR complex-2.](#)

Pearce LR, Huang X, Boudeau J, Pawlowski R, Wulschleger S, Deak M, Ibrahim AF, Gourlay R, Magnuson MA, Alessi DR.  
The Biochemical Journal 2007 Aug; 405(3):513.

Application: IP, WB-Tr, Human, HEK 293 cells

- [Identification of Sin1 as an essential TORC2 component required for complex formation and kinase activity.](#)

Yang Q, Inoki K, Ikenoue T, Guan KL.

Genes & Development 2006 Oct; 20(20):2820.

Application: IF, IP-WB, WB-Tr, Human, HeLa, HEK293 cells

- [SIN1/MIP1 maintains rictor-mTOR complex integrity and regulates Akt phosphorylation and substrate specificity.](#)

Jacinto E, Facchinetti V, Liu D, Soto N, Wei S, Jung SY, Huang Q, Qin J, Su B.

Cell 2006 Sep; 127(1):125.

## Pathway

- [mTOR signaling pathway](#)

## Disease

- [Head and Neck Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)