

DATASHEET

RICTOR Rabbit Polyclonal Antibody

CAT. NO. APA14524

KEY FEATURES

Target	RICTOR	Source / Host	Rabbit
Reactivity	Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

Component of the mechanistic target of rapamycin complex 2 (mTORC2), which transduces signals from growth factors to pathways involved in proliferation, cytoskeletal organization, lipogenesis and anabolic output, which transduces signals from growth factors to pathways involved in proliferation, cytoskeletal organization, lipogenesis and anabolic output. In response to growth factors, mTORC2 phosphorylates and activates AGC protein kinase family members, including AKT (AKT1, AKT2 and AKT3), PKC (PRKCA, PRKCB and PRKCE) and SGK1. In contrast to mTORC1, mTORC2 is nutrient-insensitive. Within the mTORC2 complex, RICTOR probably acts as a molecular adapter. RICTOR is responsible for the FKBP12-rapamycin-insensitivity of mTORC2.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

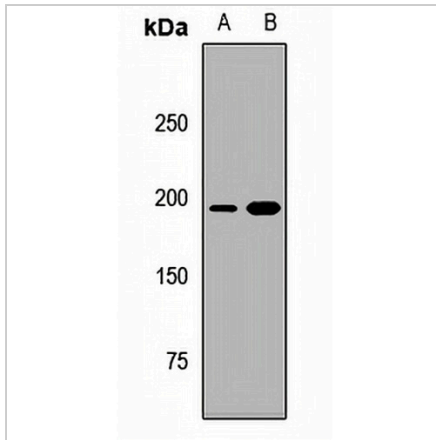
Description	Rabbit polyclonal antibody to RICTOR
Specificity	Recognizes endogenous levels of RICTOR protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human RICTOR
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 28; Observed: 195 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	KIAA1999; Rapamycin-insensitive companion of mTOR; AVO3 homolog; hAVO3
Gene Symbol	RICTOR
Entrez Gene	253260(Human)
SwissProt	Q6R327(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of RICTOR expression in mouse brain (A), rat brain (B) whole cell lysates. (Predicted band size: 28; 192; 195 kD; Observed band size: 195 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.