

Rabbit Rictor Polyclonal Antibody | anti-RICTR antibody

Phospho-Rictor (Ser1591) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328531	Rabbit	Human, Mouse, Rat Predicted: Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Rictor; Polyclonal Antibody; Phospho-Rictor (Ser1591) Antibody; AVO3; AVO3 homolog; DKFZp686B11164; hAVO3; KIAA1999; Likely ortholog of mouse TORC2 specific protein AVO3 (*S. cerevisiae*); mAVO3; MGC39830; PIA; Pianissimo; Rapamycin insensitive companion of mTOR; Rapamycin-insensitive companion of mTOR; RICTR_HUMAN; RPTOR independent companion of MTOR complex 2; TORC2 specific protein AVO3; anti-RICTR antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-Rictor (Ser1591) Antibody detects endogenous levels of Rictor only when phosphorylated at Ser1591.
Purity/Purification	Purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1708
Applicable Applications for anti-RICTR antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Rictor around the phosphorylation site of Ser1591.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of Phospho-Rictor (Ser1591) in lysates of Jurkat cells, using Phospho-Rictor (Ser1591) Antibody.



IHC (Immunohistochemistry)

At 1/100 staining rat liver tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



IHC (Immunohistochemistry)

At 1/100 staining mouse kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary

ADDITIONAL INFORMATION

Related Product Information for anti-RICTR antibody	Description: Subunit of mTORC2, which regulates cell growth and survival in response to hormonal signals. 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. Post Translational Modifications: Phosphorylated by MTOR; when part of mTORC2. Phosphorylated at Thr-1135 by RPS6KB1; phosphorylation of RICTOR inhibits mTORC2 and AKT1 signaling. Subunit Structure: Part of the mammalian target of rapamycin complex 2 (mTORC2) which contains MTOR, MLST8, PRR5, RICTOR, MAPKAP1 and DEPTOR (PubMed:15268862, PubMed:15467718, PubMed:17461779, PubMed:17599906). Contrary to mTORC1, mTORC2 does not bind to and is not sensitive to FKBP12-rapamycin. Binds directly to MTOR and PRR5 within the TORC2 complex (PubMed:15268862, PubMed:17461779, PubMed:17599906). Interacts with CCDC28B (PubMed:23727834). Interacts with NBN (PubMed:23762398). Interacts with PRR5L (PubMed:17461779, PubMed:21964062). Similarity: Belongs to the RICTOR family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	59891448
NCBI GeneID	253260
NCBI Accession #	NP_689969.2
NCBI GenBank Nucleotide #	NP_689969.2
UniProt Accession #	Q6R327
Molecular Weight	Observed: 192 kDa Predicted: 193 kDa
NCBI Official Full Name	rapamycin-insensitive companion of mTOR isoform 1
NCBI Official Synonym Full Names	RPTOR independent companion of MTOR complex 2
NCBI Official Symbol	RICTOR
NCBI Official Synonym Symbols	PIA; AVO3; hAVO3
NCBI Protein Information	rapamycin-insensitive companion of mTOR
UniProt Protein Name	Rapamycin-insensitive companion of mTOR
UniProt Gene Name	RICTOR
UniProt Synonym Gene Names	hAVO3
UniProt Entry Name	RICTR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ricor-antibody-peptide-elisa-immunohistochemistry-western-blot-elisa/328531>