

# Immunotag™ Phospho-Rictor (Thr1135) Antibody

Antibody Specification	
Catalog No.	ITA0725
Product Description	Immunotag™ Phospho-Rictor (Thr1135) Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Phospho-Rictor (Thr1135)
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC
Recommended Dilution	WB 1:500-1:2000, IHC 1:50-1:200
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human Rictor around the phosphorylation site of Thr1135.
Specificity	Phospho-Rictor (Thr1135) Antibody detects endogenous levels of Rictor.
Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	RICTOR
Accession No.	Q6R327

## Antibody Specification

Alternate Names	AVO3; AVO3 homolog; DKFZp686B11164; hAVO3; KIAA1999; Likely ortholog of mouse TORC2 specific protein AVO3 ( <i>S. cerevisiae</i> ); mAVO3; MGC39830; PIA; Pianissimo; Rapamycin insensitive companion of mTOR; Rapamycin-insensitive companion of mTOR; Rictor; RICTR; RICTR_HUMAN; RPTOR independent companion of MTOR complex 2; TORC2 specific protein AVO3;
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.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	200kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.