

Immunotag™ RICTOR Antibody

Antibody Specification	
Catalog No.	ITA7563
Product Description	Immunotag™ RICTOR 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	RICTOR
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,ELISA
Recommended Dilution	WB 1:1000-3000 IHC 1:200
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human RICTOR
Specificity	RICTOR Antibody detects endogenous levels of total RICTOR
Purification	The antiserum was purified by peptide affinity chromatography.
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
Alternate Names	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; Rictor; RICTR; RICTR_HUMAN; RPTOR independent companion of MTOR complex 2; TORC2 specific protein AVO3;

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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	192 kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.