

## Immunotag™ Rictor Monoclonal Antibody

Antibody Specification	
Catalog No.	ITM0561
Product Description	Immunotag™ Rictor Monoclonal Antibody
Size	50 µg, 100 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	Monoclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Monkey
Host Species	Mouse
Immunogen	Purified recombinant fragment of human Rictor expressed in E. Coli.
Specificity	Rictor Monoclonal Antibody detects endogenous levels of Rictor protein.
Purification	Affinity purification
Form	Ascitic fluid containing 0.03% sodium azide.
Gene Name	RICTOR
Accession No.	Q6R327 Q6QI06
Alternate Names	RICTOR; KIAA1999; Rapamycin-insensitive companion of mTOR; AVO3 homolog; hAVO3
Description	RPTOR independent companion of MTOR complex 2(RICTOR) Homo sapiens 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, Mar 2008],

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Cell Pathway/ Category	mTOR,
Protein Expression	Amygdala,Brain,Epithelium,Lymph,
Subcellular Localization	cytosol,TORC2 complex,
Protein Function	function:Plays an essential role in embryonic growth and development (By similarity). Part of the TORC2 complex which plays a critical role in AKT1 'Ser-473' phosphorylation, and may modulate the phosphorylation of PKCA and regulate actin cytoskeleton organization.,similarity:Belongs to the pianissimo family.,subunit:Forms part of the target of rapamycin 2 complex (TORC2) comprised of FRAP1, LST8, PROTOR1, RICTOR and MAPKAP1. TORC2 does not bind to and is not sensitive to FKBP12-rapamycin. Binds directly to FRAP1 and PROTOR1 within the TORC2 complex. May interact with PROTOR2.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.