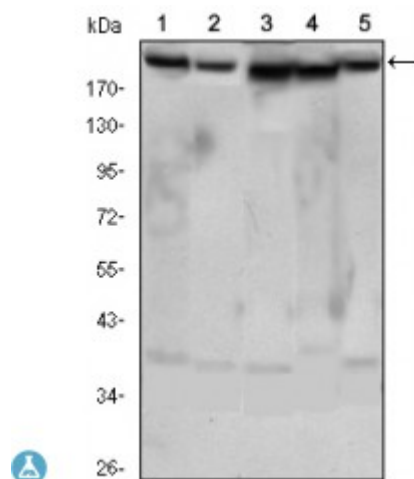


Anti-Rictor antibody



Description	Mouse monoclonal to Rictor.
Model	STJ98362
Host	Mouse
Reactivity	Human, Mouse, Simian
Applications	ELISA, FC, IF, IHC, WB
Immunogen	Purified recombinant fragment of human Rictor expressed in E. Coli.
Gene ID	253260
Gene Symbol	RICTOR
Dilution range	WB 1:500-1:2000IHC 1:200-1:1000IF 1:200-1:1000FC 1:200-1:400ELISA 1:10000
Specificity	Rictor Monoclonal Antibody detects endogenous levels of Rictor protein.
Purification	Affinity purification
Clone ID	7B3
Note	For Research Use Only (RUO).
Protein Name	Rapamycin-insensitive companion of mTOR AVO3 homolog hAVO3
Clonality	Monoclonal
Conjugation	Unconjugated
Isotype	IgG1
Formulation	Ascitic fluid containing 0.03% sodium azide.

Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:28611OMIM:609022
Alternative Names	Rapamycin-insensitive companion of mTOR AVO3 homolog hAVO3
Function	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.