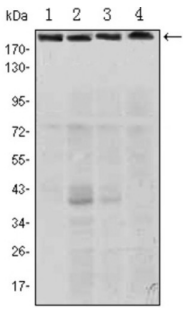
Rapamycin-Insensitive Companion of mTOR (RICTOR) Antibody

Catalogue No.:abx015977



Western blot analysis using RICTOR antibody against Hela (1), PANC-1 (2), MOLT4 (3), and HepG2 (4) cell lysate.

Cell growth is a fundamental biological process whereby cells accumulate mass and increase in size.The mammalian TOR (mTOR) pathway regulates growth by coordinating energy and nutrient signals with growth factor-derived signals.mTOR is a large protein kinase with two different complexes.One complex contains mTOR, G beta L and raptor, which is a target of rapamycin.The other complex, insensitive to rapamycin, includes mTOR, G beta L, Sin1 and rictor.The mTOR-rictor complex phosphorylates Ser473 of Akt/PKB in vitro.This phosphorylation is essential for full Akt/PKB activation.Furthermore, an siRNA knockdown of rictor inhibits Ser473 phosphorylation in 3T3-L1 adipocytes.This complex has also been shown to phosphorylate the rapamycin-resistant mutants of S6K1, another effector of mTOR.

Target:	Rapamycin-Insensitive Companion of mTOR (RICTOR)
Clonality:	Monoclonal
Reactivity:	Human, Monkey, Mouse
Tested Applications:	ELISA
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of human RICTOR expressed in E. coli.
Isotype:	IgG_1
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q6R327 (UniProt, ExPASy)

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Gene Symbol:	RICTOR
GeneID:	253260
OMIM:	609022
HGNC:	28611
KEGG:	hsa:253260
Ensembl:	ENSG00000164327
String:	9606.ENSP00000296782
Molecular Weight:	192 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Concentration:	Not determined.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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