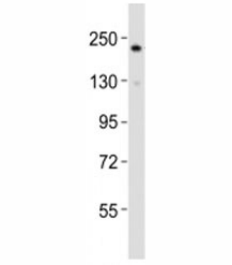
RICTOR Antibody (F53372)

Catalog No.	Formulation	Size
F53372-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F53372-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q6R327
Applications	Western Blot : 1:2000
Limitations	This RICTOR antibody is available for research use only.



Western blot testing of RICTOR antibody at 1:2000 dilution + HepG2 lysate; Predicted molecular weight ~200 kDa.

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.

Application Notes

Titration of the RICTOR antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

This RICTOR antibody was produced from a rabbit immunized with a KLH conjugated synthetic peptide between 1068-1102 amino acids from the Central region of human RICTOR.

Storage

Aliquot the RICTOR antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.