

anti- RICTOR antibody

Product Information

Catalog No.:	FNab07297
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

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.

Immunogen information

Immunogen:	rapamycin-insensitive companion of mTOR
Synonyms:	AVO3 homolog, hAVO3, KIAA1999, mAVO3, RICTOR
Observed MW:	192 kDa
Uniprot ID :	Q6R327

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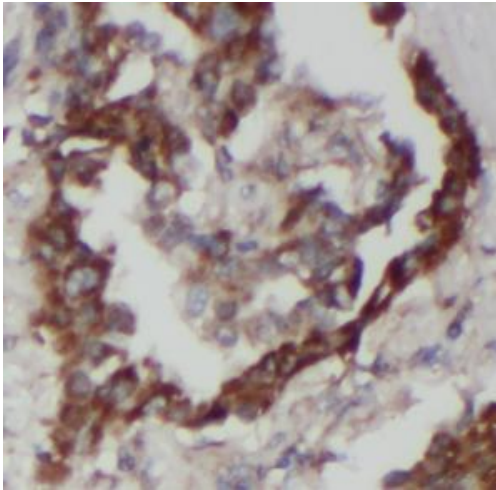
Application

Reactivity: Human, Mouse, Rat

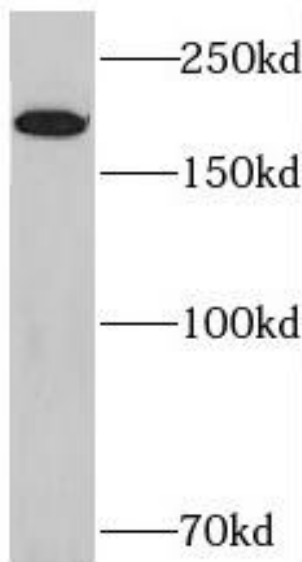
Tested Application: ELISA, WB, IHC

Recommended dilution: WB: 1:1000-1:5000; IHC: 1:50-1:200

Image:



Immunohistochemistry of paraffin-embedded human lung cancer using FNab07297(RICTOR antibody) at dilution of 1:100



HEK-293 cells were subjected to SDS PAGE followed by western blot with FNab07297(RICTOR antibody) at dilution of 1:4000

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