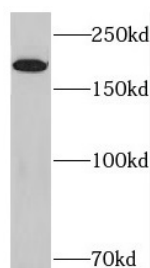
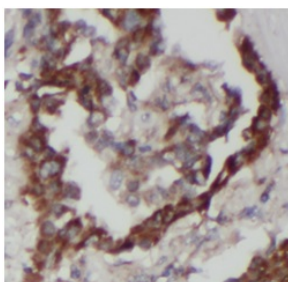


Cat. No:	MAB-94699
Conjugate:	Unconjugated
Size:	100UG
Clone:	MONO
Concentration:	53A2
Host:	Rb
Isotype:	IgG
Immunogen:	rapamycin-insensitive companion of mTOR
Reactivity:	Hu, Ms, Rt
Applications:	WB: 1:1000-1:5000; IHC: 1:50-1:2
Molecular Weight:	192 kDa
Purification:	Aff. Pur.
Synonyms:	AVO3 homolog, hAVO3, KIAA1999, mAVO3, RICTO 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
Background:	
Form:	Liquid
Buffer:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3
Storage:	-20° for 12months



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

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

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