

RICTOR Antibody
Rabbit Polyclonal Antibody
Catalog # ALS17230**Specification**

RICTOR Antibody - Product Information

Application	IHC-P, WB
Primary Accession	Q6R327
Other Accession	253260
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	192218

RICTOR Antibody - Additional Information**Gene ID** 253260**Other Names**

RICTOR, AVO3 homolog, HAVO3, MAVO3, PIA, KIAA1999, TORC2-specific protein AVO3, AVO3, Pianissimo

Reconstitution & Storage

PBS, pH 7.4, 0.02% sodium azide. Store at -20°C for up to one year.

Precautions

RICTOR Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

RICTOR Antibody - Protein Information**Name** RICTOR ([HGNC:28611](#))**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.

Volume

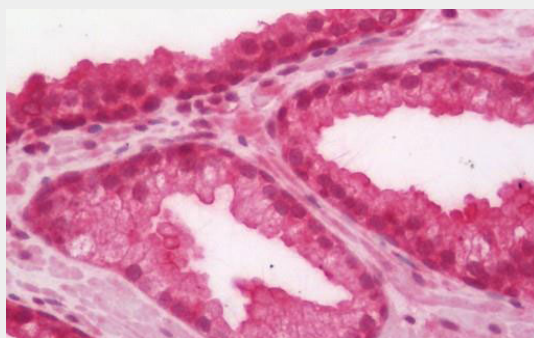
50 µl

RICTOR Antibody - Protocols

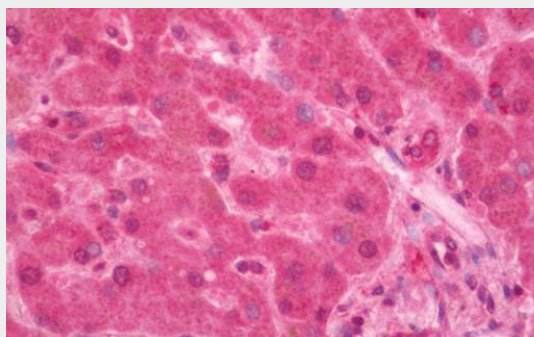
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

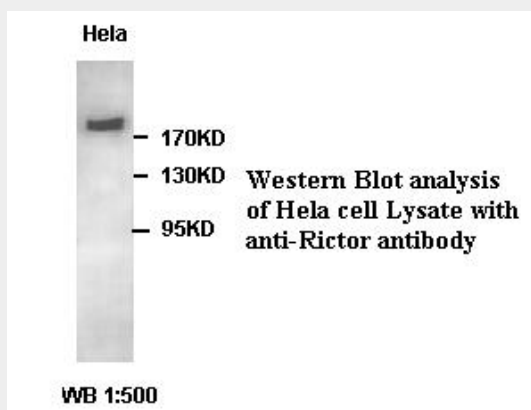
RICTOR Antibody - Images



Human Prostate: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Liver: Formalin-Fixed, Paraffin-Embedded (FFPE)



western blot analysis of hela cell lysate with anti-rictor antibody

RICTOR Antibody - Background

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RICTOR Antibody - References

Sarbassov D.D.,et al.Curr. Biol. 14:1296-1302(2004).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Schmutz J.,et al.Nature 431:268-274(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Ohara O.,et al.DNA Res. 9:47-57(2002).