

RICTOR Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7259d**Specification**

RICTOR Antibody (N-term) - Product Information

| | |
|-------------------|------------------------|
| Application | WB, IHC-P,E |
| Primary Accession | Q6R327 |
| Other Accession | Q6QI06 |
| Reactivity | Human |
| Predicted | Mouse |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |
| Calculated MW | 192218 |
| Antigen Region | 236-267 |

RICTOR Antibody (N-term) - Additional Information**Gene ID** 253260**Other Names**Rapamycin-insensitive companion of mTOR, AVO3 homolog, hAVO3, RICTOR
{ECO:0000312|EMBL:EAW559801}**Target/Specificity**

This RICTOR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 236-267 amino acids from the N-terminal region of human RICTOR.

DilutionWB~~1:1000
IHC-P~~1:10~50**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

RICTOR Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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

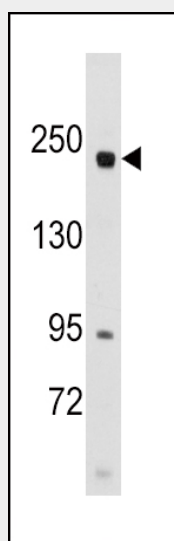
Function Subunit of mTORC2, which regulates cell growth and survival in response to hormonal signals. mTORC2 is activated by growth factors, but, in contrast to mTORC1, seems to be nutrient-insensitive. mTORC2 seems to function upstream of Rho GTPases to regulate the actin cytoskeleton, probably by activating 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.

RICTOR Antibody (N-term) - Protocols

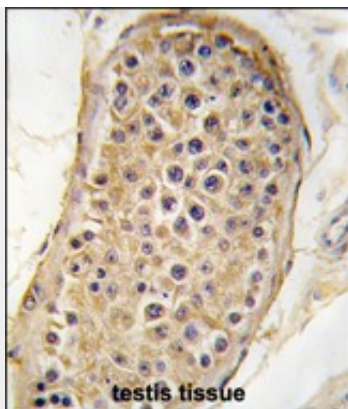
Provided below are standard protocols that you may find useful for product applications.

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

RICTOR Antibody (N-term) - Images



Western blot analysis of anti-RICTOR Pab (Cat.#AP7259d) in SK-BR-3 cell line lysates (35ug/lane). RICTOR (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human testis tissue reacted with RICTOR antibody (N-term) (Cat.#AP7259d), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

RICTOR Antibody (N-term) - Background

RICTOR and MTOR (FRAP1) are components of a protein complex that integrates nutrient- and growth factor-derived signals to regulate cell growth.

RICTOR Antibody (N-term) - References

Pearce, L.R., *Biochem. J.* 405 (3), 513-522 (2007)
Yang, Q., *Genes Dev.* 20 (20), 2820-2832 (2006)
Jacinto, E., *Cell* 127 (1), 125-137 (2006)