

Rictor Blocking Peptide
Catalog # PBV10469b**Specification**

Rictor Blocking Peptide - Product Information

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|-------------------|---------------------------|
| Primary Accession | Q6QI06 |
| Other Accession | NP_084444 |
| Gene ID | 78757 |
| Calculated MW | 191570 |

Rictor Blocking Peptide - Additional Information**Gene ID** 78757**Application & Usage**

The peptide is used for blocking the antibody activity of Rictor. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.

Other Names

Rapamycin-insensitive companion of mTOR, AVO3 homolog, mAVO3, Protein pianissimo, Rictor {ECO:0000250|UniProtKB:Q6R327}

Target/Specificity

Rictor

Formulation

50 µg (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

Rictor Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

Rictor Blocking Peptide - Protein Information**Name** Rictor {ECO:0000312|MGI:MGI:1926007}**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.

Tissue Location

Highest levels in liver and brain with expression also detected in heart, muscle, spleen and kidney (at protein level)

Rictor Blocking Peptide - 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 Blocking Peptide - Images