

RICTOR Blocking Peptide (Center)
Synthetic peptide
Catalog # BP21379c**Specification**

RICTOR Blocking Peptide (Center) - Product InformationPrimary Accession [Q6R327](#)**RICTOR Blocking Peptide (Center) - Additional Information****Gene ID** 253260**Other Names**Rapamycin-insensitive companion of mTOR, AVO3 homolog, hAVO3, RICTOR
{ECO:0000312|EMBL:EAW559801}**Target/Specificity**

The synthetic peptide sequence is selected from aa 1068-1082 of HUMAN RICTOR

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RICTOR Blocking Peptide (Center) - 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 Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

RICTOR Blocking Peptide (Center) - Images

RICTOR Blocking Peptide (Center) - Background

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RICTOR Blocking Peptide (Center) - References

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