

TORC2 Blocking Peptide
Catalog # PBV10465b**Specification**

TORC2 Blocking Peptide - Product Information

Primary Accession	Q3LRZ1
Other Accession	NP_001029067.1
Gene ID	310615
Calculated MW	73146

TORC2 Blocking Peptide - Additional Information**Gene ID** 310615**Application & Usage**

The peptide is used for blocking the antibody activity of TORC2. 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

CREB-regulated transcription coactivator 2, Transducer of regulated cAMP response element-binding protein 2, TORC-2, Transducer of CREB protein 2, Crtc2, Torc2

Target/Specificity

TORC2

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**

TORC2 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

TORC2 Blocking Peptide - Protein Information**Name** Crtc2**Synonyms** Torc2**Function**

Transcriptional coactivator for CREB1 which activates transcription through both consensus and variant cAMP response element (CRE) sites. Acts as a coactivator, in the SIK/TORC signaling pathway, being active when dephosphorylated and acts independently of CREB1 'Ser-133' phosphorylation. Enhances the interaction of CREB1 with TAF4. Regulates gluconeogenesis as a component of the LKB1/AMPK/TORC2 signaling pathway. Regulates the expression of specific genes such as the steroidogenic gene, StAR. Potent coactivator of PPARGC1A and inducer of mitochondrial biogenesis in muscle cells (By similarity).

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q53ET0}. Nucleus {ECO:0000250|UniProtKB:Q53ET0}.

Note=Translocated from the nucleus to the cytoplasm on interaction of the phosphorylated form with 14-3-3 protein. In response to cAMP levels and glucagon, relocated to the nucleus. {ECO:0000250|UniProtKB:Q53ET0}

TORC2 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](#)

TORC2 Blocking Peptide - Images