

KIAA0999 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP11541b**Specification**

KIAA0999 Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [Q9Y2K2](#)**KIAA0999 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 23387**Other Names**

Serine/threonine-protein kinase SIK3, Salt-inducible kinase 3, SIK-3, Serine/threonine-protein kinase QSK, SIK3, KIAA0999, QSK

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.

KIAA0999 Antibody (C-term) Blocking peptide - Protein Information**Name** SIK3 ([HGNC:29165](#))**Function**

Positive regulator of mTOR signaling that functions by triggering the degradation of DEPTOR, an mTOR inhibitor. Involved in the dynamic regulation of mTOR signaling in chondrocyte differentiation during skeletogenesis (PubMed:30232230). Negatively regulates cAMP signaling pathway possibly by acting on CRTC2/TORC2 and CRTC3/TORC3 (Probable). Prevents HDAC4 translocation to the nucleus (By similarity).

Cellular Location

Cytoplasm. Note=Locates to punctate structures within the cytoplasm on binding to YWHAZ.

Tissue Location

Expressed in chondrocytes.

KIAA0999 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

KIAA0999 Antibody (C-term) Blocking peptide - Images

KIAA0999 Antibody (C-term) Blocking peptide - Background

The specific function of the protein remains unknown.

KIAA0999 Antibody (C-term) Blocking peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Couch, F.J., et al. Cancer Epidemiol. Biomarkers Prev. 19(1):251-257(2010)Huang, C.J., et al. J. Cell. Mol. Med. 12 (5B), 1936-1943 (2008) :Hashimoto, Y.K., et al. J. Cell. Biochem. 104(5):1724-1739(2008)Kooner, J.S., et al. Nat. Genet. 40(2):149-151(2008)