

KIAA0999 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11541b**Specification**

KIAA0999 Antibody (C-term) - Product Information

Application	WB, FC,E
Primary Accession	O9Y2K2
Other Accession	NP_079440.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	1233-1263

KIAA0999 Antibody (C-term) - 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

Target/Specificity

This KIAA0999 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1233-1263 amino acids from the C-terminal region of human KIAA0999.

Dilution

WB~~1:1000

FC~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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

KIAA0999 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

KIAA0999 Antibody (C-term) - 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.

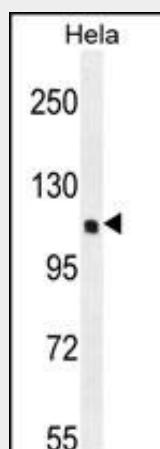
Tissue Location

Expressed in chondrocytes.

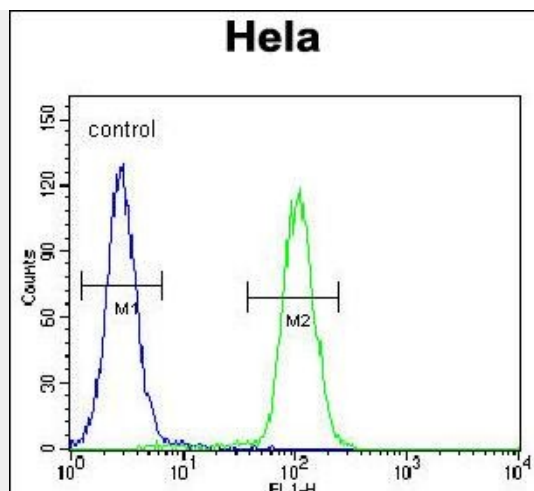
KIAA0999 Antibody (C-term) - Protocols

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](#)

KIAA0999 Antibody (C-term) - Images

KIAA0999 Antibody (C-term) (Cat. #AP11541b) western blot analysis in HeLa cell line lysates (35ug/lane). This demonstrates the KIAA0999 antibody detected the KIAA0999 protein (arrow).



KIAA0999 Antibody (C-term) (Cat. #AP11541b) flow cytometric analysis of HeLa cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

KIAA0999 Antibody (C-term) - Background

The specific function of the protein remains unknown.

KIAA0999 Antibody (C-term) - 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)

KIAA0999 Antibody (C-term) - Citations

- [LKB1 loss in melanoma disrupts directional migration toward extracellular matrix cues.](#)