

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

E~~Use at an assay dependent concentration.

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

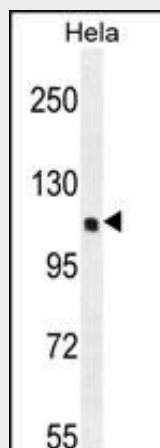
Expressed in chondrocytes.

KIAA0999 Antibody (C-term) - Protocols

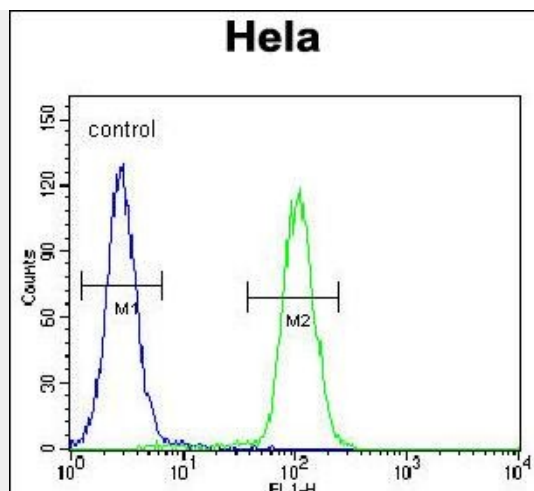
Provided below are standard protocols that you may find useful for product applications.

- [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.](#)