10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

KIAA0999 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11541b

Product Information

Application	WB, FC, E
Primary Accession	Q9Y2K2
Other Accession	NP_079440.2
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB09734
Calculated MW	144851
Antigen Region	1233-1263

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.

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.

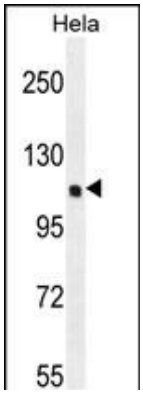
Background

The specific function of the protein remains unknown.

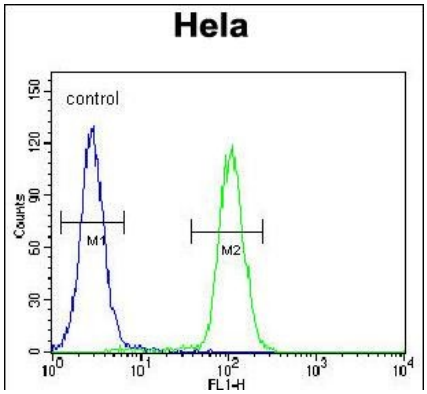
References

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)

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.

Citations

- LKB1 loss in melanoma disrupts directional migration toward extracellular matrix cues.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.