

KIAA1609 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP10514b

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q6P9B6
Other Accession	NP_065998.3
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB28613
Calculated MW	50994
Antigen Region	426-456

Additional Information

Gene ID	57707
Other Names	TLD domain-containing protein 1, TBC/LysM-associated domain-containing protein 1, TLDC1, KIAA1609
Target/Specificity	This KIAA1609 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 426-456 amino acids from the C-terminal region of human K1609.
Dilution	WB~~1:1000 IHC-P~~1:100~500 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	KIAA1609 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MEAK7 (HGNC:29325)
Synonyms	KIAA1609, TLDC1

Function Activates an alternative mTOR signaling through RPS6KB2 activation and EIF4EBP1 repression to regulate cell proliferation and migration (PubMed:[29750193](#)). Recruits MTOR at the lysosome, essential for MTOR signaling at the lysosome (PubMed:[29750193](#)).

Cellular Location Membrane. Cytoplasm. Lysosome

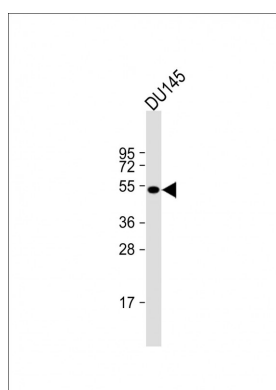
References

Rothenberg, M.E., et al. Nat. Genet. 42(4):289-291(2010)

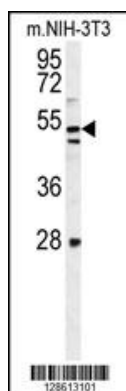
Venkatesan, K., et al. Nat. Methods 6(1):83-90(2009)

Wang, A.G., et al. Biochem. Biophys. Res. Commun. 345(3):1022-1032(2006)

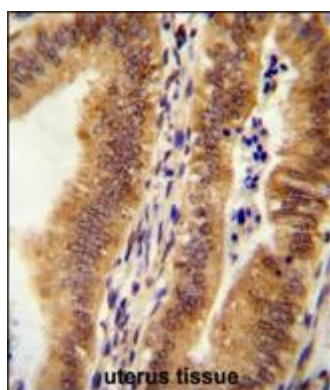
Images



Anti-KIAA1609 Antibody (C-term) at 1:8000 dilution + DU145 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 51 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

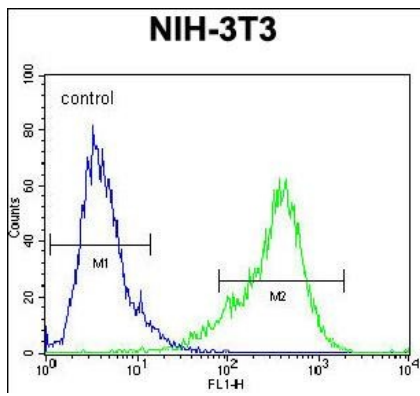


KIAA1609 Antibody (C-term) (Cat. #AP10514b) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane). This demonstrates the KIAA1609 antibody detected the K1609 protein (arrow).



KIAA1609 Antibody (C-term) (Cat. #AP10514b) immunohistochemistry analysis in formalin fixed and paraffin embedded human uterus tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the KIAA1609 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

KIAA1609 Antibody (C-term) (Cat. #AP10514b) flow cytometric analysis of NIH-3T3 cells (right histogram) compared to a negative control cell (left)



histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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