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

FASTKD3 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18144b

Product Information

Application	WB, E
Primary Accession	Q14CZ7
Other Accession	NP_076996.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB24011
Calculated MW	75689
Antigen Region	623-650

Additional Information

Gene ID	79072
Other Names	FAST kinase domain-containing protein 3, FASTKD3
Target/Specificity	This FASTKD3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 623-650 amino acids from the C-terminal region of human FASTKD3.
Dilution	WB~~1:1000 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	FASTKD3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	FASTKD3
Function	Required for normal mitochondrial respiration (PubMed: 20869947). Increases steady-state levels and half-lives of a subset of mature mitochondrial mRNAs MT-ND2, MT-ND3, MT-CYTB, MT-CO2, and MT-ATP8/6. Promotes MT-CO1 mRNA translation and increases mitochondrial complex IV

assembly and activity (PubMed:27789713).

Cellular Location	Mitochondrion
Tissue Location	Expression detected in spleen, thymus, testis, ovary, colon, heart, smooth muscle, kidney, brain, lung, liver and white adipose tissue with highest expression in liver and thyroid

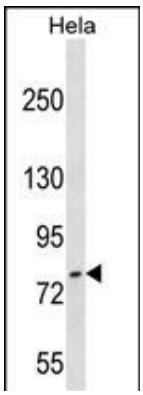
Background

The function of this protein remains unknown.

References

Simarro, M., et al. Biochem. Biophys. Res. Commun. 401(3):440-446(2010)
Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)

Images



FASTKD3 Antibody (C-term) (Cat. #AP18144b) western blot analysis in Hela cell line lysates (35ug/lane).This demonstrates the FASTKD3 antibody detected the FASTKD3 protein (arrow).

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