

LARS2 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP11098c

Product Information

Application	WB, FC, E
Primary Accession	Q15031
Other Accession	NP_056155.1
Reactivity	Human
Predicted	Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB14921
Calculated MW	101976
Antigen Region	418-446

Additional Information

Gene ID	23395
Other Names	Probable leucine--tRNA ligase, mitochondrial, Leucyl-tRNA synthetase, LeuRS, LARS2, KIAA0028
Target/Specificity	This LARS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 418-446 amino acids from the Central region of human LARS2.
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 prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
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	LARS2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	LARS2 (HGNC:17095)
Synonyms	KIAA0028

Function	Catalyzes the attachment of leucine to its cognate tRNA.
Cellular Location	Mitochondrion matrix.
Tissue Location	Ubiquitously expressed, but highest expression in tissues with high metabolic rates, such as skeletal muscle, heart, and kidney.

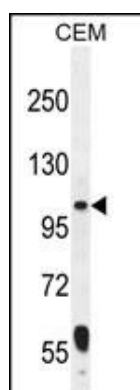
Background

This gene encodes a class 1 aminoacyl-tRNA synthetase, mitochondrial leucyl-tRNA synthetase. Each of the twenty aminoacyl-tRNA synthetases catalyzes the aminoacylation of a specific tRNA or tRNA isoaccepting family with the cognate amino acid.

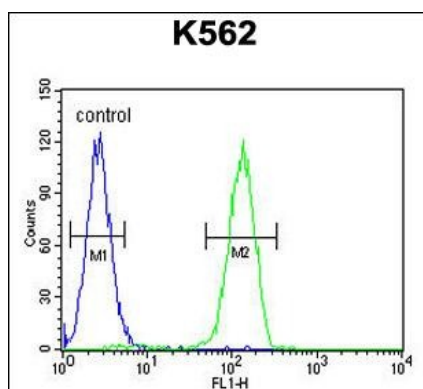
References

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 Park, H., et al. RNA 14(11):2407-2416(2008)
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Images



LARS2 Antibody (Center) (Cat. #AP11098c) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the LARS2 antibody detected the LARS2 protein (arrow).



LARS2 Antibody (Center) (Cat. #AP11098c) flow cytometric analysis of K562 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'.