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Product datasheet for AP52445PU-N

LARS2 (Center) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, WB
Recommended Dilution:	**ELISA:** 1/1000. **Western Blot:** 1/100-1/500. **Flow cytometry:** 1/10-1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 425-453 amino acids from the Central region of Human LARS2.
Specificity:	This antibody recognizes Human LARS2 (Center).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Purified State: Liquid purified Ig fraction
Reconstitution Method:	
Concentration:	lot specific
Purification:	Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	leucyl-tRNA synthetase 2, mitochondrial
Database Link:	Entrez Gene 23395 Human Q15031

View online »

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.

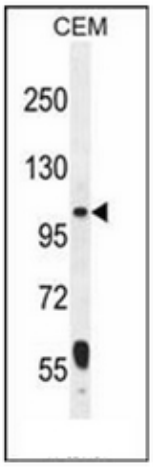
Synonyms: LARS2, KIAA0028, Leucyl-tRNA synthetase, mitochondrial, EC=6.1.1.4, Leucine-tRNA ligase, LeuRS

Note: **Molecular Weight:** 101976 Da

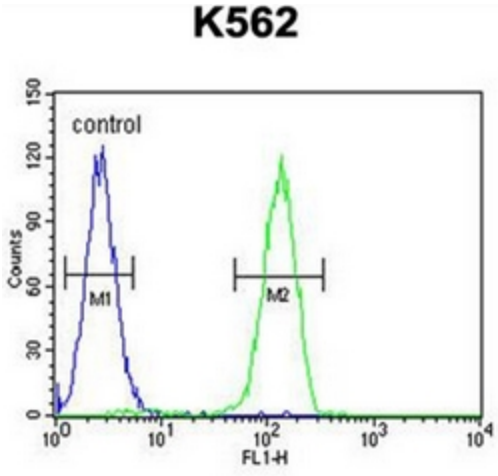
Protein Families: Druggable Genome

Protein Pathways: Aminoacyl-tRNA biosynthesis, Valine, leucine and isoleucine biosynthesis

Product images:



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



Flow cytometric analysis of K562 cells using LARS2 Antibody (Center) (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.