

## Product datasheet for **TA377959**

### Leucyl tRNA synthetase (LARS) Rabbit Polyclonal Antibody

#### Product data:

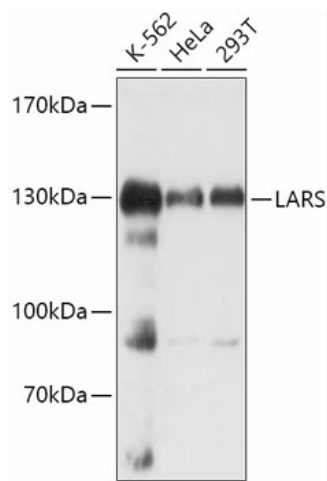
Product Type:	Primary Antibodies
Applications:	ICC/IF, WB
Recommended Dilution:	WB, 1:500 - 1:2000 IF, 1:50 - 1:200
Reactivity:	Human, Mouse
Modifications:	Unmodified
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-270 of human LARS (NP_064502.9).
Formulation:	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	55kDa/128kDa/134kDa
Gene Name:	leucyl-tRNA synthetase
Database Link:	<a href="#">Entrez Gene 51520 Human Q9P2J5</a>
Background:	This gene encodes a cytosolic leucine-tRNA synthetase, a member of the class I aminoacyl-tRNA synthetase family. The encoded enzyme catalyzes the ATP-dependent ligation of L-leucine to tRNA(Leu). It is found in the cytoplasm as part of a multisynthetase complex and interacts with the arginine tRNA synthetase through its C-terminal domain. A mutation in this gene was found in affected individuals with infantile liver failure syndrome 1. Alternatively spliced transcript variants of this gene have been observed.



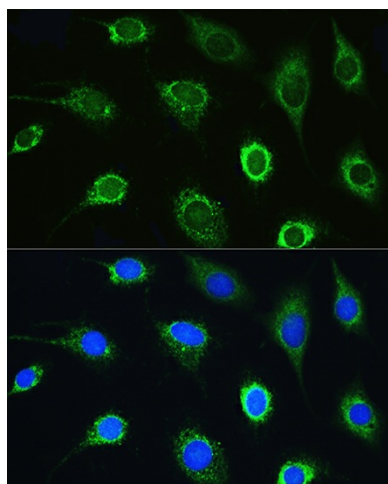
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Synonyms: FLJ10595; FLJ21788; hr025Cl; HSPC192; KIAA1352; LARS1; LEURS; LEUS; LRS; PIG44; RNTLS

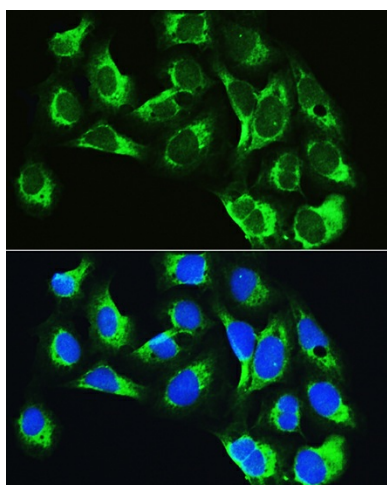
### Product images:



Western blot analysis of extracts of various cell lines, using LARS antibody (TA377959) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit. | Exposure time: 60s.



Immunofluorescence analysis of L929 cells using LARS Rabbit pAb (TA377959) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using LARS Rabbit pAb (TA377959) at dilution of 1:100. Blue: DAPI for nuclear staining.